November 26, 2008

Mr. Perry Gaughan
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street SW, 11th Floor
Atlanta, Georgia 30303

Subject: **Partin Oil Spill Site – Oliver Springs, Tennessee**
Technical Direction Document Number (No.) TTEMI-05-002-0007
Contract No. EP-W-05-054 (START III Region 4)
Full Data Validation Report
TestAmerica Analytical Testing Corporation Reports No. NRC2505 and NRD0081
Analytical Parameters: Volatile organic compounds, semivolatile organic compounds, organochlorine pesticides, polychlorinated biphenyls, target analyte list metals, gasoline range organics, and extractable petroleum hydrocarbons

Laboratory Report No.	Samples	Field Duplicate Pairs	Field Blanks
NRC2505	SF-01, SF-02, SF-02 Dup, VG-01, and VG-02	SF-02 and SF-02 Dup	None
NRD0081	SF-03, SF-04, and TS-01	None	TS-01

Dear Mr. Gaughan:

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) conducted data validation of the analytical results for six soil samples, one soil field duplicate sample, and one soil trip blank that were collected at the Partin Oil Spill Site in Oliver Springs, Tennessee, on March 28 and April 1, 2008. The samples were analyzed under laboratory Reports No. NRC2505 and NRD0081 by TestAmerica Analytical Testing Corporation of Nashville, Tennessee. The samples were analyzed for volatile organic compounds (VOC) by SW-846 Method 8260B, semivolatile organic compounds (SVOC) by SW-846 Method 8270C, organochlorine pesticides by SW-846 Method 8081A, polychlorinated biphenyl compounds (PCB) by SW-846 Method 8082, target analyte list (TAL) metals by SW-846 Methods 6010B and 7471A, gasoline range organics (GRO) by the Tennessee method, and extractable petroleum hydrocarbons (EPH) by the Tennessee method. Only sample SF-03 was analyzed for organochlorine pesticides and PCBs.

Analytical data were evaluated in general accordance with applicable data validation guidance documents, including the following: the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (July 2007) and the EPA CLP NFG for Inorganic Data Review (October 2004). The analytical methods used by the fixed laboratory during this project provide guidance on procedures and method acceptance criteria that, in some areas, differ from the NFGs. Where the methods and the NFGs differ, the data validators followed the acceptance criteria in the methods. In addition, if laboratory-derived acceptance criteria were presented in the fixed laboratory data package, then these criteria were used to evaluate the data unless the criteria were considered inadequate. Data were evaluated based on the following criteria:

- Data Completeness
- Sample Preservation, Sample Receipt, and Holding Times

- Gas Chromatography and Mass Spectrometry (GC/MS) Instrument Performance Checks
- Gas Chromatograph with Electron Capture Detector (GC/ECD) Instrument Performance Check
- DDT/Endrin Breakdown (pesticides only)
- Initial Calibration
- Continuing Calibration
- Calibration Verification
- Initial and Continuing Calibration Verification
- Field and Laboratory Blanks
- Inductively Coupled Plasma – Interference Check Samples (ICP – ICS)
- System Monitoring Compounds (Surrogates)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Laboratory Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution
- Field Duplicates
- Laboratory Control Samples (LCS) and Laboratory Control Sample Duplicates (LCSD)
- Dilution by Addition of Solvent
- Dilution by Re-extraction and Reanalysis
- Second Column Confirmation
- Internal Standards
- Target Analyte Identification
- Analyte Quantitation and Reported Detection Limits
- System Stability and Performance

The following data validation approach was used; it should meet the needs of most data uses and requirements for limits on uncertainty for decision-making using the data. This approach consisted of a review of all of the data, including the raw data. This data validation effort constituted a full validation of the data and involved a 100 percent check against applicable acceptance criteria of all quality control (QC) parameter data, including the parameters listed above.

In addition, all data that pertain to analyte identification, such as chromatograms and mass spectra, were checked completely (100 percent) to evaluate the accuracy of analyte identification. This effort involved an in-depth quantitative check of a fraction of the data; this check involved recalculation of QC results (such as percent recoveries [%R] and relative percent difference [RPD] values) and target analyte results from the raw data. Results were recalculated at a frequency of 10 percent for the data that had been transcribed and generated by hand. Results for data calculated by software were recalculated at varying frequencies and to the extent necessary to confirm the adequacy of the software. If errors or discrepancies were encountered when any data were recalculated and checked, the extent of the data check was expanded, as necessary, to identify the full extent of the problem.

Enclosure 1 presents copies of the sample results sheets from the laboratory data packages, with hand-entered qualifications from the data validation effort. Enclosure 2 presents the same data validation-qualified analytical results in table format. The following sections discuss the data packages and provide an overall assessment of the data. This discussion concentrates on the irregularities associated with the various parameters.

DATA COMPLETENESS

The data packages for laboratory Reports No. NRC2505 and NRD0081 were complete, with the following exceptions. For data package NRC2505, metals beryllium and thallium were missing from the initial and continuing calibration blank summaries (ICB/CCB). These forms were resubmitted by the laboratory with the missing information included.

SAMPLE PRESERVATION, SAMPLE RECEIPT, AND HOLDING TIMES

The holding times were met for all sample analyses. The temperatures of the samples were within the QC limit of 4 ± 2 degrees Celsius when they arrived at the laboratory.

GC/MS INSTRUMENT PERFORMANCE CHECKS

All GC/MS instrument performance checks for the analysis of VOCs and SVOCs met the acceptance criteria.

GC/ECD INSTRUMENT PERFORMANCE CHECK

All GC/ECD instrument performance checks for the analysis of organochlorine pesticides and PCBs met the acceptance criteria.

DDT/ENDRIN BREAKDOWN

The breakdown percentages for both DDT and endrin for the analysis of organochlorine pesticides met the acceptance criteria.

INITIAL CALIBRATION

The initial calibrations were analyzed at the proper frequencies and concentrations and met all requirements, with the following exceptions. In the VOC initial calibration performed on April 2, 2008, the relative response factor (RRF) for acetone were below the advisory QC limit of 0.010. Therefore, all nondetect sample results for acetone in samples SF-01, SF-02, SF-02 Dup, VG-01, and VG-02 were rejected as unusable (flagged "R").

Percent relative standard deviations for several compounds in the VOC and SVOC analyses were high and exceeded the QC limit of 20 percent (40 percent for poor responding compounds). However, all of these met the alternative QC limit of a correlation coefficient exceeding 0.995, so no further qualifications are warranted.

CONTINUING CALIBRATION

The continuing calibrations were analyzed at the proper frequencies and concentrations and met all requirements, with the following exceptions. In all VOC continuing calibrations, the RRFs for acetone were below the advisory QC limit of 0.010. Therefore, all nondetect sample results for acetone were rejected as unusable (flagged "R").

In the VOC analysis, the continuing calibration performed on March 29, 2008 yielded percent difference values for bromochloromethane and bromomethane that exceeded the QC limit of 25 percent. Therefore, the nondetect results for bromochloromethane and bromomethane were qualified as estimated (flagged "UJ") for samples VG-01 and VG-02.

In the VOC analysis, the continuing calibration performed on March 31, 2008 yielded a percent difference value for 1,2,3-trichloropropane that exceeded the QC limit of 25 percent. Therefore, the nondetect results for 1,2,3-trichloropropane were qualified as estimated (flagged "UJ") for samples SF-01, SF-02, and SF-02 Dup.

In the SVOC analysis, the continuing calibration performed on March 30, 2008, yielded percent difference values for 1-methylnaphthalene and N-nitrosodi-n-propylamine that exceeded the QC limit of 25 percent. Therefore, the nondetect results for 1-methylnaphthalene and N-nitrosodi-n-propylamine were qualified as estimated (flagged "UJ" for non-detects and "J" for positive results) for samples SF-01, SF-02, SF-02 Dup, VG-01, and VG-02.

In the pesticide continuing calibrations, a few peaks had excessive percent differences on one column but not on the other. No qualifications are required for these irregularities. However, aldrin displayed percent differences above the QC limit of 20 percent for both columns in the closing continuing calibration. Therefore, the aldrin result for sample SF-03 was qualified as estimated (flagged "UJ").

In the first EPH continuing calibration performed on April 2, 2008, at 00:56, the percent difference value greatly exceeded the QC limit of 25 percent. This may have been carryover from the analysis of undiluted extracts of samples, which were not reported. The second continuing calibration performed on that day, at 02:16, and all subsequent continuing calibrations, had acceptable percent difference values. Samples VG-01 and VG-02 were analyzed between the first and second continuing calibrations, so the EPH results for samples VG-01 and VG-02 were qualified as estimated (flagged "J"). Since the other samples were analyzed after the second continuing calibration and were bracketed by acceptable continuing calibrations, no qualifications are warranted.

CALIBRATION VERIFICATION

The second source calibration verifications for the organic analyses and the Contract-Required Quantitation Limit (CRQL) Check Standard (CRI) for the inorganic analyses were analyzed at the proper frequencies and concentrations and met all requirements, with the following exceptions. In the VOC calibration verification performed on March 29, 2008, the percent recoveries for bromomethane and bromochloromethane were above the QC limit of 75-125 percent. Therefore, the nondetect results for bromomethane and bromochloromethane were qualified as estimated (flagged "UJ") for samples SF-01, SF-02, SF-02 Dup, VG-01, and VG-02.

In both SVOC calibration verifications, the percent recovery values for 3/4-methylphenol were above the QC limit of 75-125 percent. Therefore, the nondetect results for 3/4-methylphenol were qualified as estimated (flagged "UJ") for all samples discussed in this report.

In the metals CRI for Report No. NRD0081, the opening CRI percent recovery for selenium was 156 percent, which was above the upper QC limit of 130 percent. Because the associated results may be biased high, the selenium results for samples SF-03 and SF-04 were qualified as estimated (flagged "J+").

INITIAL AND CONTINUING CALIBRATION VERIFICATION

The initial and continuing calibration verifications for the inorganic analyses were analyzed at the proper frequencies and concentrations and met all requirements.

FIELD AND LABORATORY BLANKS

Method blanks were free of target analytes, with the following exceptions. In the VOC analysis performed on March 29, 2008, a low-level concentration of the common laboratory contaminant

methylene chloride was detected in the method blank. No qualifications were required for methylene chloride in these samples, because it was detected at concentrations more than 10 times the blank concentration.

In the VOC analysis performed on April 1, 2008, no analytes were found in the laboratory blank. However low-level concentrations of chloroform and methylene chloride were found in the trip blank, sample TS-01. Therefore, the similar positive concentrations of these compounds in the accompanying samples SF-03 and SF-04 were raised to the reporting limit and qualified as non-detected (flagged "U") due to apparent contamination in handling.

In the metals analyses for laboratory Report No. NRD0081, low-level concentrations of calcium and manganese were detected in the method blank. In addition, a low-level concentration of aluminum was detected in the closing CCB for the sample report. No qualifications were warranted because associated sample results were greater than the corresponding reporting limits.

INDUCTIVELY COUPLED PLASMA – INTERFERENCE CHECK SAMPLES (ICP-ICS)

All ICP-ICS data were within the QC limits, with the following exception. The closing ICP-ICS displayed a recovery of 74 percent for thallium, which is below the QC limit of 80 to 120 percent. Because the possibility of false negatives exists, the thallium results for samples SF-03 and SF-04 were qualified as estimated (flagged "UJ").

SYSTEM MONITORING COMPOUNDS (SURROGATES)

All surrogate recoveries were within the laboratory-specified control limits, with the following exceptions. In the EPH analyses of laboratory Report No. NRC2505, the recovery for terphenyl-d_{14} could not be determined because of the 100-fold dilution required by the sample matrix. No qualifications are applied based on surrogate failures due to dilution.

In the SVOC analysis of sample VG-01 and the dilution of sample VG-02, recoveries for the surrogate nitrobenzene-d_5 were biased high (138 and 132 percent, respectively) and outside the QC limit of 22 to 104 percent. No qualifications are applied when only one SVOC surrogate is outside QC limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

MS/MSD recoveries and RPD results were within the specified control limits, with the following exceptions. No MS/MSD analyses were provided for the VOC analyses, due to insufficient sample. The LCS/LCSD results provided adequate information on accuracy and precision, so no qualifications are warranted for this data gap.

In the MS/MSD analyses of metals sample SF-01, MS/MSD recoveries for thallium (71 and 74 percent) were biased low and outside QC limits of 75 to 125 percent. The MS recovery (140 percent) and the RPD (25 percent) for chromium exceeded the applicable QC limits. Therefore, results for thallium were qualified as estimated (flagged "UJ") in the associated solid samples (SF-01, SF-01, SF-02 Dup, VG-01, and VG-01). The chromium irregularity seems to be the consequence of an irregular distribution of the metal within the soil, so only the chromium result for sample SF-01 was qualified as estimated (flagged "J"). Also for these MS/MSD analyses, recoveries of aluminum and iron could not be determined because the unspiked sample contained more than four times the amount of the spike. In addition, the laboratory does not evaluate a spike for calcium, magnesium, potassium, and sodium in the MS/MSD analyses, since these are essential nutrients and are ordinarily present at concentrations that overwhelm the spike added. No qualifications are warranted for these data gaps.

In the MS/MSD analyses of metals sample SF-03, MS/MSD recoveries for thallium (65 and 67 percent) were biased low and outside QC limits of 75 to 125 percent. Therefore, results for thallium were qualified as estimated (flagged "UJ") in the associated soil samples (SF-03 and SF-04). Also for these MS/MSD analyses, recoveries of aluminum, iron, and manganese could not be determined because the unspiked sample contained much more than four times the amount of the spike. In addition, the laboratory does not evaluate a spike for calcium, magnesium, potassium, and sodium in the MS/MSD analyses, since these are essential nutrients and are ordinarily present at concentrations that overwhelm the spike added. No qualifications are warranted for these data gaps.

LABORATORY DUPLICATE SAMPLE ANALYSIS

Laboratory duplicate analyses were performed for total solids analysis. All results were within specified QC limits.

SPIKE SAMPLE ANALYSIS

The post digestion spike results were within QC limits.

ICP SERIAL DILUTION

The ICP serial dilution results, performed on a sample from another site, were within QC limits. However, arsenic, barium, cadmium, calcium, cobalt, copper, lead, potassium, and zinc in the ICP serial dilution performed on sample SF-04 had percent differences which exceeded the QC limit of 10 percent. The results for barium, calcium, and potassium in sample SF-04 were greater than 50 times the associated method detection limit (MDL) and were qualified as estimated (flagged "J") due to apparent matrix interference.

FIELD DUPLICATES

Samples SF-02 and SF-02 dup were collected as field duplicates. All RPDs were within the QC guideline of 50 percent for soil, with the following exceptions. In the metals analysis, chromium and potassium had RPDs of 60 and 58 percent, respectively, indicating an irregular distribution within the soil. In addition, GRO displayed an RPD of 74 percent, also indicating an irregular distribution within the soil. The results for chromium, potassium, and GRO in samples SF-02 and SF-02 Dup were qualified as estimated (flagged "J").

LABORATORY CONTROL SAMPLES AND LABORATORY CONTROL SAMPLE DUPLICATES

All LCS and LCSD results were within the QC limits, with the following exceptions. In the VOC analysis performed on March 29, 2008, recoveries were biased high and outside specified QC limits for bromochloromethane (138 and 139 percent, versus a QC limit range of 70 to 135 percent) and 1,1,2-trichloroethane (130 and 128 percent, versus a QC limit range of 80 to 127 percent). No qualifications were required because bromochloromethane and 1,1,2-trichloroethane were not detected in the associated samples.

In the VOC analysis performed on April 1, 2008, recoveries were biased high and outside QC limits for carbon tetrachloride (140 percent, versus a QC limit range of 75 to 137 percent) and tetrachloroethene (132 percent, versus a QC limit range of 76 to 128 percent) in the LCS, but not in the LCSD (130 and 126 percent, respectively). No qualifications were required because the average recoveries of both carbon tetrachloride and tetrachloroethene were within QC limits and neither compound was detected in any of the accompanying samples.

DILUTION BY ADDITION OF SOLVENT

The VOC fractions for samples SF-01, SF-02, SF-02 Dup, VG-01, and VG-02 were analyzed at 50-fold dilutions because of interference from the organic compounds in the samples. This interference was sufficient to produce low area counts for the third (last) internal standard, 1,4-dichlorobenzene-d_4, in the undiluted samples. Therefore, only the diluted VOC results for those samples were reported, with elevated detection limits for non-detected compounds. Similarly, the EPH extracts for samples SF-01, SF-02, SF-02 Dup, VG-01, and VG-02 were analyzed at 100-fold dilutions to place the results within the instrument calibration range and because of interference from the organic compounds in the samples.

The GRO fractions for all samples discussed in this report were analyzed at 50-fold dilutions because of a method requirement of methanol extraction for the Tennessee GRO method.

The SVOC extract of sample SF-02 Dup was re-analyzed at a 2-fold dilution to bring the concentration of bis(2-ethylhexyl)phthalate within calibration range. The SVOC extract of sample VG-02 was analyzed at a 5-fold dilution to bring the concentration of bis(2-ethylhexyl)phthalate within calibration range.

DILUTION BY RE-EXTRACTION AND REANALYSIS

No dilution by re-extraction and reanalysis was required for samples in this data package.

SECOND COLUMN CONFIRMATION

For the pesticide and PCB analyses, the retention time confirmation between the primary (“front”) and secondary (“back”) columns and the quantitative differences between the columns for the calibration standards were within QC limits. No analytes were detected in sample SF-03.

INTERNAL STANDARDS

In the VOC and SVOC analyses, the internal standard area counts and retention times in the samples were within QC limits established using the associated continuing calibration standard data, with the following exception. In the VOC analyses, the internal standard recovery for 1,4-dichlorobenzene-d_4 were biased low and outside QC limits in all samples for the undiluted analytical runs in report No. NRC2505. Only results from the diluted analytical runs were reported, so no qualifications are warranted.

TARGET ANALYTE IDENTIFICATION

The relative retention times (RRT) of the reported compounds in the VOC, SVOC, organochlorine pesticide, and PCB analyses were within ±0.06 RRT units of the standard RRTs. For each detected analyte in the VOC and SVOC analyses, all ions present in the standard mass spectrum at a relative intensity greater than 10 percent were present in the sample spectrum and agreed within ±20 percent between the standard and sample spectra. The laboratory used manual integration to achieve good quality results for the SVOC 1-methylnaphthalene result for samples SF-01 and VG-01.

ANALYTE QUANTITATION AND REPORTED DETECTION LIMITS

Sample results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. Sample results and reporting limits were correctly calculated. Sample results below the calibration range, or less than the laboratory reporting limits but greater than the MDLs, were qualified (flagged “J”) as estimated.

SYSTEM STABILITY AND PERFORMANCE

No signs of degraded instrument performance were observed. Analytical systems were judged to have been within control and stable during the analyses.

OVERALL ASSESSMENT OF DATA

The overall quality of this data package was acceptable. Results for acetone in all samples were qualified as rejected (flagged "R") because of RRF irregularities in the initial and/or continuing calibrations. These analytes may or may not be present in these samples. The VOC data were qualified because of continuing calibration, calibration verification, and trip blank irregularities. The SVOC data were qualified because of continuing calibration and calibration verification irregularities. The organochlorine pesticide data and the EPH data were qualified because of continuing calibration irregularities. The TAL metals data were qualified because of calibration verification, ICP-ICS, MS/MSD, ICP serial dilution, and field duplicate irregularities. The GRO data were qualified because of field duplicate irregularities. The PCB data were reported with no qualification. Results less than the laboratory reporting limits but greater than the method detection limits, were qualified (flagged "J") as estimated. All data can be used as qualified, with the exception of results for acetone in all samples, which were rejected.

Please call me at (678) 775-3104 if you have any questions regarding this data validation report.

Sincerely,

Jessica A. Vickers

Jessica Vickers
START III Quality Assurance Manager

Enclosures (2)

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Angel Reed, Tetra Tech START III Document Control Coordinator

ENCLOSURE 1

FIXED LABORATORY ANALYTICAL RESULTS SHEETS WITH HAND-ENTERED DATA VALIDATION QUALIFIERS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORTS NO. NRC2505 AND NRD0081

(32 Pages)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-01 (SF-01 - Soil) Sampled: 03/28/08 15:35									
General Chemistry Parameters									
% Dry Solids	70 6		%	0 500	0 500	1	04/03/08 09:49	SW-846	8040210
Total Metals by EPA Method 6010B									
Aluminum	17100	M1A	mg/kg dry	7 58	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Antimony	ND	U	mg/kg dry	1 93	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Arsenic	1 98		mg/kg dry	1 24	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Barium	75.7		mg/kg dry	0 689	2 76	1	04/04/08 14:00	SW846 6010B	8034669
Beryllium	0.441	J	mg/kg dry	0 413	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Cadmium	1.21	J	mg/kg dry	0 276	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Calcium	936		mg/kg dry	4 13	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Chromium	16.2 J	M1,R2	mg/kg dry	0 551	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Cobalt	3 28		mg/kg dry	1 10	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Copper	5 87		mg/kg dry	0 964	2 76	1	04/04/08 14:00	SW846 6010B	8034669
Iron	14300	M1A	mg/kg dry	11 7	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Lead	20.4		mg/kg dry	0 689	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Magnesium	1040		mg/kg dry	6 20	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Manganese	314		mg/kg dry	0 413	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Nickel	7.30		mg/kg dry	0 689	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Potassium	1110		mg/kg dry	41 3	138	1	04/04/08 14:00	SW846 6010B	8034669
Selenium	4.71		mg/kg dry	1 52	2 76	1	04/04/08 14:00	SW846 6010B	8034669
Silver	ND	U	mg/kg dry	0 689	1 38	1	04/04/08 14:00	SW846 6010B	8034669
Sodium	156	J	mg/kg dry	138	276	1	04/04/08 14:00	SW846 6010B	8034669
Thallium	ND UJ	M8	mg/kg dry	2 62	2 76	1	04/04/08 14:00	SW846 6010B	8034669
Vanadium	30.5		mg/kg dry	1 52	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Zinc	46.3		mg/kg dry	4 55	13 8	1	04/04/08 14:00	SW846 6010B	8034669
Mercury by EPA Methods 7470A/7471A									
Mercury	0.0555	J	mg/kg dry	0 0421	0 140	1	04/04/08 14:54	SW846 7471A	8040053
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND	R	mg/kg dry	2 37	4 73	50	03/31/08 14:11	SW846 8260B	8034828
Benzene	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Bromobenzene	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Bromochloromethane	ND	UJ	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Bromodichloromethane	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Bromoform	ND	U	mg/kg dry	0 0502	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Bromomethane	ND	UJ	mg/kg dry	0 149	0 189	50	03/31/08 14:11	SW846 8260B	8034828
2-Butanone	ND	R	mg/kg dry	0 473	4 73	50	03/31/08 14:11	SW846 8260B	8034828
sec-Butylbenzene	0.582		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
n-Butylbenzene	1.00		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
tert-Butylbenzene	0.0852	J	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Carbon disulfide	ND	U	mg/kg dry	0 0634	0 473	50	03/31/08 14:11	SW846 8260B	8034828
Carbon Tetrachloride	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Chlorobenzene	ND		mg/kg dry	0.0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Chlorodibromomethane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Chloroethane	ND		mg/kg dry	0 0634	0 473	50	03/31/08 14:11	SW846 8260B	8034828

04/04/08

Client Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Sample ID: NRC2505-01 (SF-01 - Soil) - cont. Sampled: 03/28/08 15:35

Volatile Organic Compounds by EPA Method 8260B - cont

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Chloromethane	ND	U	mg/kg dry	0 0833	0 189	50	03/31/08 14:11	SW846 8260B	8034828
2-Chlorotoluene	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
4-Chlorotoluene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1 2-Dibromo-3-chloropropane	ND		mg/kg dry	0 0947	0 473	50	03/31/08 14:11	SW846 8260B	8034828
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Dibromomethane	ND		mg/kg dry	0 0511	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,4-Dichlorobenzene	ND		mg/kg dry	0 0606	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,3-Dichlorobenzene	ND		mg/kg dry	0 0502	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,2-Dichlorobenzene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Dichlorodifluoromethane	ND		mg/kg dry	0 0881	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1-Dichloroethane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,2-Dichloroethane	ND		mg/kg dry	0 0757	0 189	50	03/31/08 14:11	SW846 8260B	8034828
cis-1,2-Dichloroethene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1-Dichloroethene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
trans-1,2-Dichloroethene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,3-Dichloropropane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1 2-Dichloropropane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
2,2-Dichloropropane	ND		mg/kg dry	0 0398	0 189	50	03/31/08 14:11	SW846 8260B	8034828
cis-1 3-Dichloropropene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
trans-1 3-Dichloropropene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1-Dichloropropene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Ethylbenzene	0.274		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Hexachlorobutadiene	ND	U	mg/kg dry	0 0596	0 473	50	03/31/08 14:11	SW846 8260B	8034828
2-Hexanone	ND	U	mg/kg dry	0 385	4 73	50	03/31/08 14:11	SW846 8260B	8034828
Isopropylbenzene	0 312		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
p-Isopropyltoluene	0 383		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Methyl tert-Butyl Ether	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Methylene Chloride	ND		mg/kg dry	0 329	0 947	50	03/31/08 14:11	SW846 8260B	8034828
4-Methyl-2-pentanone	ND		mg/kg dry	0 403	4 73	50	03/31/08 14:11	SW846 8260B	8034828
Naphthalene	1.71		mg/kg dry	0 143	0 473	50	03/31/08 14:11	SW846 8260B	8034828
n-Propylbenzene	0.726		mg/kg dry	0 0502	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Styrene	ND	U	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0 0473	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Tetrachloroethene	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Toluene	0.161	J	mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0 0625	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,2,4-Trichlorobenzene	ND		mg/kg dry	0 0615	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,1,2-Trichloroethane	ND		mg/kg dry	0 0966	0 473	50	03/31/08 14:11	SW846 8260B	8034828
1,1,1-Trichloroethane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Trichloroethene	ND		mg/kg dry	0 0265	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Trichlorofluoromethane	ND		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,2,3-Trichloropropane	ND	U	mg/kg dry	0 0521	0 189	50	03/31/08 14:11	SW846 8260B	8034828
1,3,5-Trimethylbenzene	2.34		mg/kg dry	0 0634	0 189	50	03/31/08 14:11	SW846 8260B	8034828

06/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 " 800-765-0980 " Fax 615-726-3404

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-01 (SF-01 - Soil) - cont. Sampled: 03/28/08 15:35									
Volatile Organic Compounds by EPA Method 8260B - cont									
1,2,4-Trimethylbenzene	5.62		mg/kg dry	0 120	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Vinyl chloride	ND	U	mg/kg dry	0 0672	0 189	50	03/31/08 14:11	SW846 8260B	8034828
Xylenes, total	4.28		mg/kg dry	0 163	0 473	50	03/31/08 14:11	SW846 8260B	8034828
Surr 1 2-Dichloroethane-d4 (41-150%)	*107 %*					*50*	*03/31/08 14 11*	*SW846 8260B*	*8034828*
Surr Dibromofluoromethane (55-139%)	*107 %*					*50*	*03/31/08 14 11*	*SW846 8260B*	*8034828*
Surr Toluene-d8 (57-148%)	*96 %*					*50*	*03/31/08 14 11*	*SW846 8260B*	*8034828*
Surr 4-Bromofluorobenzene (58-150%)	*95 %*					*50*	*03/31/08 14 11*	*SW846 8260B*	*8034828*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg dry	0 0438	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Acenaphthylene	0 137	J	mg/kg dry	0 0453	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Anthracene	ND	U	mg/kg dry	0 0467	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Benzo (a) anthracene	ND		mg/kg dry	0 0537	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Benzo (a) pyrene	ND		mg/kg dry	0 0410	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Benzo (b) fluoranthene	ND		mg/kg dry	0 0453	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Benzo (g,h,i) perylene	ND		mg/kg dry	0 0410	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Benzo (k) fluoranthene	ND		mg/kg dry	0 0410	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4-Bromophenyl phenyl ether	ND		mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Butyl benzyl phthalate	ND		mg/kg dry	0 126	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Carbazole	ND		mg/kg dry	0 233	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4-Chloro-3-methylphenol	ND		mg/kg dry	0 141	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4-Chloroaniline	ND		mg/kg dry	0 409	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Bis(2-chloroethoxy)methane	ND		mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Bis(2-chloroethyl)ether	ND		mg/kg dry	0 191	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0 144	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2-Chloronaphthalene	ND		mg/kg dry	0 0962	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2-Chlorophenol	ND		mg/kg dry	0 154	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4-Chlorophenyl phenyl ether	ND		mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Chrysene	0.0641	J	mg/kg dry	0 0551	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Dibenz (a h) anthracene	ND	U	mg/kg dry	0 0438	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Dibenzofuran	ND		mg/kg dry	0 126	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Di-n-butyl phthalate	ND		mg/kg dry	0 122	0 471	1	03/30/08 15:00	SW846 8270C	8034561
1,4-Dichlorobenzene	ND		mg/kg dry	0 163	0 471	1	03/30/08 15:00	SW846 8270C	8034561
1,2-Dichlorobenzene	ND		mg/kg dry	0 124	0 471	1	03/30/08 15:00	SW846 8270C	8034561
1,3-Dichlorobenzene	ND		mg/kg dry	0 113	0 471	1	03/30/08 15:00	SW846 8270C	8034561
3,3-Dichlorobenzidine	ND		mg/kg dry	0 382	0 943	1	03/30/08 15:00	SW846 8270C	8034561
2 4-Dichlorophenol	ND		mg/kg dry	0 123	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Diethyl phthalate	ND		mg/kg dry	0 0707	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2,4-Dimethylphenol	ND		mg/kg dry	0 397	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Dimethyl phthalate	ND		mg/kg dry	0 124	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0 129	1 18	1	03/30/08 15:00	SW846 8270C	8034561
2,4-Dinitrophenol	ND		mg/kg dry	0 191	1 18	1	03/30/08 15:00	SW846 8270C	8034561
2 6-Dinitrotoluene	ND		mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2,4-Dinitrotoluene	ND		mg/kg dry	0 124	0 471	1	03/30/08 15:00	SW846 8270C	8034561

06/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville TN 37204 " 800-765-0980 " Fax 615-726-3404

Client Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-01 (SF-01 - Soil) - cont. Sampled: 03/28/08 15:35									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Di-n-octyl phthalate	ND	U	mg/kg dry	0 187	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Fluoranthene	0.0551	J	mg/kg dry	0 0481	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Fluorene	ND	U	mg/kg dry	0 0551	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Hexachlorobenzene	ND		mg/kg dry	0 117	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Hexachlorobutadiene	ND		mg/kg dry	0 153	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Hexachlorocyclopentadiene	ND		mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Hexachloroethane	ND		mg/kg dry	0 148	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0 0438	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Isophorone	ND		mg/kg dry	0 141	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2-Methylnaphthalene	0 393	J	mg/kg dry	0 0467	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2-Methylphenol	ND	U	mg/kg dry	0 140	0 471	1	03/30/08 15:00	SW846 8270C	8034561
3/4-Methylphenol	ND	U	mg/kg dry	0 205	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Naphthalene	0.202	J	mg/kg dry	0 0580	0 471	1	03/30/08 15:00	SW846 8270C	8034561
3-Nitroaniline	ND	U	mg/kg dry	0 156	1 18	1	03/30/08 15:00	SW846 8270C	8034561
2-Nitroaniline	ND		mg/kg dry	0 157	1 18	1	03/30/08 15:00	SW846 8270C	8034561
4-Nitroaniline	ND		mg/kg dry	0 389	1 18	1	03/30/08 15:00	SW846 8270C	8034561
Nitrobenzene	ND		mg/kg dry	0 150	0 471	1	03/30/08 15:00	SW846 8270C	8034561
4-Nitrophenol	ND		mg/kg dry	0 390	1 18	1	03/30/08 15:00	SW846 8270C	8034561
2-Nitrophenol	ND		mg/kg dry	0 279	0 471	1	03/30/08 15:00	SW846 8270C	8034561
N-Nitrosodiphenylamine	ND		mg/kg dry	0 154	0 471	1	03/30/08 15:00	SW846 8270C	8034561
N-Nitrosodi-n-propylamine	ND	U	mg/kg dry	0 173	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Pentachlorophenol	ND	U	mg/kg dry	0 105	1 18	1	03/30/08 15:00	SW846 8270C	8034561
Phenanthrene	0 192	J	mg/kg dry	0 0481	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Phenol	ND	U	mg/kg dry	0 0976	0 471	1	03/30/08 15:00	SW846 8270C	8034561
Pyrene	0.0764	J	mg/kg dry	0 0580	0 471	1	03/30/08 15:00	SW846 8270C	8034561
1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0 157	0 471	1	03/30/08 15:00	SW846 8270C	8034561
1-Methylnaphthalene	0.343	J	mg/kg dry	0 0453	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2,4,6-Trichlorophenol	ND	U	mg/kg dry	0 123	0 471	1	03/30/08 15:00	SW846 8270C	8034561
2,4,5-Trichlorophenol	ND	U	mg/kg dry	0 0962	1 18	1	03/30/08 15:00	SW846 8270C	8034561
Surr Terphenyl-d14 (26-128%)	*57 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Surr 2,4,6-Tribromophenol (20-132%)	*70 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Surr Phenol-d5 (23-113%)	*36 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Surr 2-Fluorobiphenyl (19-109%)	*58 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Surr 2-Fluorophenol (19-105%)	*33 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Surr Nitrobenzene-d5 (22-104%)	*55 %*					*1*	*03/30/08 15 00*	*SW846 8270C*	*8034561*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	3590		mg/kg dry	545	562	100	04/02/08 17:43	TDHE	8034655
Surr o-Terphenyl (50-150%)	*	Z2				*100*	*04/02/08 17 43*	*TDHE*	*8034655*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) TN	64.6		mg/kg dry	0 564	5 64	50	04/02/08 20:17	TN GRO TDEC	8040247
Surr a,a,a-Trifluorotoluene (52-145%)	*77 %*					*50*	*04/02/08 20 17*	*TN GRO TDEC*	*8040247*

04/04/08

2960 Foster Creighton Road Nashville TN 37204 " 800-765-0980 " Fax 615-726-3404

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-02 (SF-02 - Soil) Sampled: 03/28/08 16:02									
General Chemistry Parameters									
% Dry Solids	84.2		%	0.500	0.500	1	04/03/08 09:49	SW-846	8040210
Total Metals by EPA Method 6010B									
Aluminum	15500		mg/kg dry	6.55	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Antimony	ND	U	mg/kg dry	1.67	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Arsenic	3.12		mg/kg dry	1.07	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Barium	69.3		mg/kg dry	0.595	2.38	1	04/04/08 14:16	SW846 6010B	8034669
Beryllium	ND	U	mg/kg dry	0.357	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Cadmium	1.57		mg/kg dry	0.238	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Calcium	426		mg/kg dry	3.57	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Chromium	33.5	J	mg/kg dry	0.476	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Cobalt	3.21		mg/kg dry	0.952	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Copper	4.86		mg/kg dry	0.833	2.38	1	04/04/08 14:16	SW846 6010B	8034669
Iron	19800		mg/kg dry	10.1	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Lead	11.5		mg/kg dry	0.595	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Magnesium	993		mg/kg dry	5.36	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Manganese	161		mg/kg dry	0.357	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Nickel	6.74		mg/kg dry	0.595	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Potassium	975	J	mg/kg dry	35.7	119	1	04/04/08 14:16	SW846 6010B	8034669
Selenium	4.42		mg/kg dry	1.31	2.38	1	04/04/08 14:16	SW846 6010B	8034669
Silver	ND	U	mg/kg dry	0.595	1.19	1	04/04/08 14:16	SW846 6010B	8034669
Sodium	165	(J)	mg/kg dry	119	238	1	04/04/08 14:16	SW846 6010B	8034669
Thallium	ND	UJ	mg/kg dry	2.26	2.38	1	04/04/08 14:16	SW846 6010B	8034669
Vanadium	33.7		mg/kg dry	1.31	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Zinc	34.8		mg/kg dry	3.93	11.9	1	04/04/08 14:16	SW846 6010B	8034669
Mercury by EPA Methods 7470A/7471A									
Mercury	0.105	(J)	mg/kg dry	0.0348	0.116	1	04/04/08 15:00	SW846 7471A	8040053
Volatile Organic Compounds by EPA Method 8260B									
Acetone	~~ND~~ R	RE1	mg/kg dry	1.29	2.59	50	03/31/08 15:09	SW846 8260B	8034828
Benzene	ND U	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Bromobenzene	ND U	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Bromochloromethane	ND UJ	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Bromodichloromethane	ND U	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Bromoform	ND U	RE1	mg/kg dry	0.0274	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Bromomethane	ND UJ	RE1	mg/kg dry	0.0812	0.103	50	03/31/08 15:09	SW846 8260B	8034828
2-Butanone	~~ND~~ R U	RE1	mg/kg dry	0.259	2.59	50	03/31/08 15:09	SW846 8260B	8034828
sec-Butylbenzene	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
n-Butylbenzene	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
tert-Butylbenzene	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Carbon disulfide	ND	RE1	mg/kg dry	0.0347	0.259	50	03/31/08 15:09	SW846 8260B	8034828
Carbon Tetrachloride	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Chlorobenzene	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Chlorodibromomethane	ND	RE1	mg/kg dry	0.0347	0.103	50	03/31/08 15:09	SW846 8260B	8034828
Chloroethane	ND	RE1	mg/kg dry	0.0347	0.259	50	03/31/08 15:09	SW846 8260B	8034828

04/04/08

Client: Tetra Tech EMI (7197)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Sample ID: NRC2505-02 (SF-02 - Soil) - cont. Sampled: 03/28/08 16:02

Volatile Organic Compounds by EPA Method 8260B - cont

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND	U	mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Chloromethane	ND	U	mg/kg dry	0 0455	0 103	50	03/31/08 15:09	SW846 8260B	8034828
2-Chlorotoluene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
4-Chlorotoluene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0 0517	0 259	50	03/31/08 15:09	SW846 8260B	8034828
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Dibromomethane	ND		mg/kg dry	0 0279	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,4-Dichlorobenzene	ND		mg/kg dry	0 0331	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1 3-Dichlorobenzene	ND		mg/kg dry	0 0274	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,2-Dichlorobenzene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Dichlorodifluoromethane	ND	U	mg/kg dry	0 0481	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,1-Dichloroethane	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,2-Dichloroethane	ND		mg/kg dry	0 0414	0 103	50	03/31/08 15:09	SW846 8260B	8034828
cis-1,2-Dichloroethene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,1-Dichloroethene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
trans-1,2-Dichloroethene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,3-Dichloropropane	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1 2-Dichloropropane	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
2,2-Dichloropropane	ND		mg/kg dry	0 0217	0 103	50	03/31/08 15:09	SW846 8260B	8034828
cis-1,3-Dichloropropene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
trans-1,3-Dichloropropene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,1-Dichloropropene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Ethylbenzene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Hexachlorobutadiene	ND		mg/kg dry	0 0326	0 259	50	03/31/08 15:09	SW846 8260B	8034828
2-Hexanone	ND	U	mg/kg dry	0 211	2 59	50	03/31/08 15:09	SW846 8260B	8034828
Isopropylbenzene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
p-Isopropyltoluene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Methyl tert-Butyl Ether	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Methylene Chloride	ND		mg/kg dry	0 180	0 517	50	03/31/08 15:09	SW846 8260B	8034828
4-Methyl-2-pentanone	ND		mg/kg dry	0 220	2 59	50	03/31/08 15:09	SW846 8260B	8034828
Naphthalene	ND		mg/kg dry	0 0781	0 259	50	03/31/08 15:09	SW846 8260B	8034828
n-Propylbenzene	ND		mg/kg dry	0 0274	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Styrene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0 0259	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,1,2 2-Tetrachloroethane	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Tetrachloroethene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Toluene	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,2,3-Trichlorobenzene	ND		mg/kg dry	0 0341	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1 2 4-Trichlorobenzene	ND		mg/kg dry	0 0336	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1 1 2-Trichloroethane	ND		mg/kg dry	0 0528	0 259	50	03/31/08 15:09	SW846 8260B	8034828
1,1,1-Trichloroethane	ND		mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Trichloroethene	ND		mg/kg dry	0 0345	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Trichlorofluoromethane	ND	U	mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,2,3-Trichloropropane	ND	U,J	mg/kg dry	0 0284	0 103	50	03/31/08 15:09	SW846 8260B	8034828
1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0 0347	0 103	50	03/31/08 15:09	SW846 8260B	8034828

gau
04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-02 (SF-02 - Soil) - cont. Sampled: 03/28/08 16:02									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0 0657	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Vinyl chloride	ND	U	mg/kg dry	0 0367	0 103	50	03/31/08 15:09	SW846 8260B	8034828
Xylenes, total	ND	U	mg/kg dry	0 0890	0 259	50	03/31/08 15:09	SW846 8260B	8034828
Surr 1 2-Dichloroethane-d4 (41-150%)	*109 %*					*50*	*03/31/08 15 09*	*SW846 8260B*	*8034828*
Surr Dibromofluoromethane (55-139%)	*106 %*					*50*	*03/31/08 15 09*	*SW846 8260B*	*8034828*
Surr Toluene-d8 (57-148%)	*97 %*					*50*	*03/31/08 15 09*	*SW846 8260B*	*8034828*
Surr 4-Bromofluorobenzene (58-150%)	*92 %*					*50*	*03/31/08 15 09*	*SW846 8260B*	*8034828*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg dry	0 0361	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Acenaphthylene	ND		mg/kg dry	0 0372	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Anthracene	ND		mg/kg dry	0 0384	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Benzo (a) anthracene	ND		mg/kg dry	0 0442	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Benzo (a) pyrene	ND		mg/kg dry	0 0338	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Benzo (b) fluoranthene	ND		mg/kg dry	0 0372	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Benzo (g,h,i) perylene	ND		mg/kg dry	0 0338	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Benzo (k) fluoranthene	ND		mg/kg dry	0 0338	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4-Bromophenyl phenyl ether	ND		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Butyl benzyl phthalate	ND		mg/kg dry	0 104	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Carbazole	ND		mg/kg dry	0 192	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4-Chloro-3-methylphenol	ND		mg/kg dry	0 116	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4-Chloroaniline	ND		mg/kg dry	0 336	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Bis(2-chloroethoxy)methane	ND		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Bis(2-chloroethyl)ether	ND		mg/kg dry	0 157	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0 119	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2-Chloronaphthalene	ND		mg/kg dry	0 0792	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2-Chlorophenol	ND		mg/kg dry	0 127	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4-Chlorophenyl phenyl ether	ND		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Chrysene	ND		mg/kg dry	0 0454	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Dibenz (a,h) anthracene	ND		mg/kg dry	0 0361	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Dibenzofuran	0 114	J	mg/kg dry	0 104	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Di-n-butyl phthalate	ND	U	mg/kg dry	0 100	0 388	1	03/30/08 15:25	SW846 8270C	8034561
1,4-Dichlorobenzene	ND		mg/kg dry	0 134	0 388	1	03/30/08 15:25	SW846 8270C	8034561
1,2-Dichlorobenzene	ND		mg/kg dry	0 102	0 388	1	03/30/08 15:25	SW846 8270C	8034561
1,3-Dichlorobenzene	ND		mg/kg dry	0 0931	0 388	1	03/30/08 15:25	SW846 8270C	8034561
3,3-Dichlorobenzidine	ND		mg/kg dry	0 314	0 776	1	03/30/08 15:25	SW846 8270C	8034561
2,4-Dichlorophenol	ND		mg/kg dry	0 101	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Diethyl phthalate	ND		mg/kg dry	0 0582	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2,4-Dimethylphenol	ND		mg/kg dry	0 327	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Dimethyl phthalate	ND		mg/kg dry	0 102	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0 106	0 970	1	03/30/08 15:25	SW846 8270C	8034561
2,4-Dinitrophenol	ND		mg/kg dry	0 157	0 970	1	03/30/08 15:25	SW846 8270C	8034561
2,6-Dinitrotoluene	ND		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2,4-Dinitrotoluene	ND		mg/kg dry	0 102	0 388	1	03/30/08 15:25	SW846 8270C	8034561

gdw
06/04/08

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2960 Foster Creighton Road Nashville TN 37204 · 800-765-0980 · Fax 615-726-3404

Client Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-02 (SF-02 - Soil) - cont. Sampled: 03/28/08 16:02									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Di-n-octyl phthalate	ND	U	mg/kg dry	0 154	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Bis(2-ethylhexyl)phthalate	3 89		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Fluoranthene	0 0477	J	mg/kg dry	0 0396	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Fluorene	ND	U	mg/kg dry	0 0454	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Hexachlorobenzene	ND		mg/kg dry	0 0966	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Hexachlorobutadiene	ND		mg/kg dry	0 126	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Hexachlorocyclopentadiene	ND		mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Hexachloroethane	ND		mg/kg dry	0 122	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Indeno (1 2 3-cd) pyrene	ND		mg/kg dry	0 0361	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Isophorone	ND		mg/kg dry	0 116	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2-Methylnaphthalene	ND		mg/kg dry	0 0384	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2-Methylphenol	ND		mg/kg dry	0 115	0 388	1	03/30/08 15:25	SW846 8270C	8034561
3/4-Methylphenol	ND	UJ	mg/kg dry	0 169	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Naphthalene	ND	U	mg/kg dry	0 0477	0 388	1	03/30/08 15:25	SW846 8270C	8034561
3-Nitroaniline	ND		mg/kg dry	0 128	0 970	1	03/30/08 15:25	SW846 8270C	8034561
2-Nitroaniline	ND		mg/kg dry	0 129	0 970	1	03/30/08 15:25	SW846 8270C	8034561
4-Nitroaniline	ND		mg/kg dry	0 320	0 970	1	03/30/08 15:25	SW846 8270C	8034561
Nitrobenzene	ND		mg/kg dry	0 123	0 388	1	03/30/08 15:25	SW846 8270C	8034561
4-Nitrophenol	ND		mg/kg dry	0 321	0 970	1	03/30/08 15:25	SW846 8270C	8034561
2-Nitrophenol	ND		mg/kg dry	0 229	0 388	1	03/30/08 15:25	SW846 8270C	8034561
N-Nitrosodiphenylamine	ND		mg/kg dry	0 127	0 388	1	03/30/08 15:25	SW846 8270C	8034561
N-Nitrosodi-n-propylamine	ND	UJ	mg/kg dry	0 142	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Pentachlorophenol	ND	U	mg/kg dry	0 0861	0 970	1	03/30/08 15:25	SW846 8270C	8034561
Phenanthrene	0 167	J	mg/kg dry	0 0396	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Phenol	ND	U	mg/kg dry	0 0803	0 388	1	03/30/08 15:25	SW846 8270C	8034561
Pyrene	0 0504	J	mg/kg dry	0 0477	0 388	1	03/30/08 15:25	SW846 8270C	8034561
1 2 4-Trichlorobenzene	ND	U	mg/kg dry	0 129	0 388	1	03/30/08 15:25	SW846 8270C	8034561
1-Methylnaphthalene	ND	UJ	mg/kg dry	0 0372	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2 4 6-Trichlorophenol	ND	U	mg/kg dry	0 101	0 388	1	03/30/08 15:25	SW846 8270C	8034561
2 4 5-Trichlorophenol	ND	U	mg/kg dry	0 0792	0 970	1	03/30/08 15:25	SW846 8270C	8034561
Surr Terphenyl-d14 (26-128%)	*65 %*					*1*	*03/30/08 15 25*	*SW846 8270C*	*8034561*
Surr 2 4 6-Tribromophenol (20-132%)	*74 %*					*1*	*03/30/08 15 25*	*SW846 8270C*	*8034561*
Surr Phenol-d5 (23-113%)	*56 %*					*1*	*03/30/08 15 25*	*SW846 8270C*	*8034561*
Surr 2-Fluorobiphenyl (19-109%)	*60 %*					*1*	*03/30/08 15.25*	*SW846 8270C*	*8034561*
Surr 2-Fluorophenol (19-105%)	*58 %*					*1*	*03/30/08 15 25*	*SW846 8270C*	*8034561*
Surr Nitrobenzene-d5 (22-104%)	*52 %*					*1*	*03/30/08 15 25*	*SW846 8270C*	*8034561*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	4460		mg/kg dry	449	463	100	04/02/08 18:03	TDHE	8034655
Surr o-Terphenyl (50-150%)	*	Z5				*100*	*04/02/08 18 03*	*TDHE*	*8034655*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) IN	1 65	J	mg/kg dry	0 473	4 73	50	04/02/08 20:48	TN GRO TDEC	8040247
Surr a a a-Trifluorotoluene (52-145%)	*73 %*					*50*	*04/02/08 20 48*	*TN GRO TDEC*	*8040247*

06/04/08

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Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200 Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-03 (SF-02 Dup - Soil) Sampled: 03/28/08 16:02									
General Chemistry Parameters									
% Dry Solids	81 4		%	0 500	0 500	1	04/03/08 09:49	SW-846	8040210
Total Metals by EPA Method 6010B									
Aluminum	18200		mg/kg dry	6 61	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Antimony	ND	U	mg/kg dry	1 68	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Arsenic	2.16		mg/kg dry	1 08	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Barium	80.7		mg/kg dry	0 601	2 40	1	04/04/08 14:21	SW846 6010B	8034669
Beryllium	0 385		mg/kg dry	0 361	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Cadmium	1.06		mg/kg dry	0 240	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Calcium	507		mg/kg dry	3 61	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Chromium	18 1	J	mg/kg dry	0 481	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Cobalt	3.68		mg/kg dry	0 962	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Copper	4.50		mg/kg dry	0 841	2 40	1	04/04/08 14:21	SW846 6010B	8034669
Iron	12700		mg/kg dry	10 2	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Lead	11.5		mg/kg dry	0 601	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Magnesium	1150		mg/kg dry	5 41	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Manganese	186		mg/kg dry	0 361	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Nickel	6.25		mg/kg dry	0 601	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Potassium	1770	J	mg/kg dry	36 1	120	1	04/04/08 14:21	SW846 6010B	8034669
Selenium	3.31		mg/kg dry	1 32	2 40	1	04/04/08 14:21	SW846 6010B	8034669
Silver	ND	U	mg/kg dry	0 601	1 20	1	04/04/08 14:21	SW846 6010B	8034669
Sodium	131	(J)	mg/kg dry	120	240	1	04/04/08 14:21	SW846 6010B	8034669
Thallium	ND	UJ	mg/kg dry	2 28	2 40	1	04/04/08 14:21	SW846 6010B	8034669
Vanadium	32.8		mg/kg dry	1 32	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Zinc	35 3		mg/kg dry	3 97	12 0	1	04/04/08 14:21	SW846 6010B	8034669
Mercury by EPA Methods 7470A/7471A									
Mercury	0.0684	(J)	mg/kg dry	0 0355	0 118	1	04/04/08 15:02	SW846 7471A	8040053
Volatile Organic Compounds by EPA Method 8260B									
Acetone	~~ND~~	R	mg/kg dry	1 43	2 86	50	03/31/08 16:08	SW846 8260B	8034828
Benzene	ND	U	mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Bromobenzene	ND	U	mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Bromochloromethane	ND	UJ	mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Bromodichloromethane	ND	U	mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Bromoform	ND	U	mg/kg dry	0 0304	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Bromomethane	ND	UJ	mg/kg dry	0 0900	0 115	50	03/31/08 16:08	SW846 8260B	8034828
2-Butanone	~~ND~~ U	R	mg/kg dry	0 286	2 86	50	03/31/08 16:08	SW846 8260B	8034828
sec-Butylbenzene	ND	U	mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
n-Butylbenzene	ND		mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
tert-Butylbenzene	ND		mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Carbon disulfide	ND		mg/kg dry	0 0384	0 286	50	03/31/08 16:08	SW846 8260B	8034828
Carbon Tetrachloride	ND		mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Chlorobenzene	ND		mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Chlorodibromomethane	ND		mg/kg dry	0 0384	0 115	50	03/31/08 16:08	SW846 8260B	8034828
Chloroethane	ND		mg/kg dry	0 0384	0 286	50	03/31/08 16:08	SW846 8260B	8034828

06/04/08

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd Building 200 Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-03 (SF-02 Dup - Soil) - cont. Sampled: 03/28/08 16:02									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Chloroform	ND	U	mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Chloromethane	ND		mg/kg dry	0.0504	0.115	50	03/31/08 16:08	SW846 8260B	8034828
2-Chlorotoluene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
4-Chlorotoluene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0573	0.286	50	03/31/08 16:08	SW846 8260B	8034828
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Dibromomethane	ND		mg/kg dry	0.0309	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,4-Dichlorobenzene	ND		mg/kg dry	0.0367	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,3-Dichlorobenzene	ND		mg/kg dry	0.0304	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2-Dichlorobenzene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Dichlorodifluoromethane	ND		mg/kg dry	0.0533	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1-Dichloroethane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2-Dichloroethane	ND		mg/kg dry	0.0458	0.115	50	03/31/08 16:08	SW846 8260B	8034828
cis-1,2-Dichloroethene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1-Dichloroethene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
trans-1,2-Dichloroethene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,3-Dichloropropane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2-Dichloropropane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
2,2-Dichloropropane	ND		mg/kg dry	0.0241	0.115	50	03/31/08 16:08	SW846 8260B	8034828
cis-1,3-Dichloropropene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
trans-1,3-Dichloropropene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1-Dichloropropene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Ethylbenzene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Hexachlorobutadiene	ND		mg/kg dry	0.0361	0.286	50	03/31/08 16:08	SW846 8260B	8034828
2-Hexanone	ND		mg/kg dry	0.233	2.86	50	03/31/08 16:08	SW846 8260B	8034828
Isopropylbenzene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
p-Isopropyltoluene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Methyl tert-Butyl Ether	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Methylene Chloride	ND		mg/kg dry	0.199	0.573	50	03/31/08 16:08	SW846 8260B	8034828
4-Methyl-2-pentanone	ND		mg/kg dry	0.244	2.86	50	03/31/08 16:08	SW846 8260B	8034828
Naphthalene	ND		mg/kg dry	0.0865	0.286	50	03/31/08 16:08	SW846 8260B	8034828
n-Propylbenzene	ND		mg/kg dry	0.0304	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Styrene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0286	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Tetrachloroethene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Toluene	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0378	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0372	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,1,2-Trichloroethane	ND		mg/kg dry	0.0584	0.286	50	03/31/08 16:08	SW846 8260B	8034828
1,1,1-Trichloroethane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Trichloroethene	ND		mg/kg dry	0.0160	0.115	50	03/31/08 16:08	SW846 8260B	8034828
Trichlorofluoromethane	ND		mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,2,3-Trichloropropane	ND	U3	mg/kg dry	0.0315	0.115	50	03/31/08 16:08	SW846 8260B	8034828
1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0384	0.115	50	03/31/08 16:08	SW846 8260B	8034828

04/22/08

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-03 (SF-02 Dup - Soil) - cont. Sampled: 03/28/08 16:02									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,2 4-Trimethylbenzene	ND	U RL1	mg/kg dry	0 0728	0 115	50	03/31/08 16 08	SW846 8260B	8034828
Vinyl chloride	ND	RL1	mg/kg dry	0 0407	0 115	50	03/31/08 16 08	SW846 8260B	8034828
Xylenes total	ND	RL1	mg/kg dry	0 0986	0 286	50	03/31/08 16 08	SW846 8260B	8034828
Surr 1 2-Dichloroethane-d4 (41-150%)	*109 %*					*50*	*03/31/08 16 08*	*SW846 8260B*	*8034828*
Surr Dibromofluoromethane (55-139%)	*107 %*					*50*	*03/31/08 16 08*	*SW846 8260B*	*8034828*
Surr Toluene-d8 (57-148%)	*97 %*					*50*	*03/31/08 16 08*	*SW846 8260B*	*8034828*
Surr 4-Bromofluorobenzene (58-150%)	*90 %*					*50*	*03/31/08 16 08*	*SW846 8260B*	*8034828*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg dry	0 0372	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Acenaphthylene	ND		mg/kg dry	0 0384	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Anthracene	ND		mg/kg dry	0 0396	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Benzo (a) anthracene	ND		mg/kg dry	0 0456	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Benzo (a) pyrene	ND		mg/kg dry	0 0348	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Benzo (b) fluoranthene	ND		mg/kg dry	0 0384	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Benzo (g,h,i) perylene	ND		mg/kg dry	0 0348	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Benzo (k) fluoranthene	ND		mg/kg dry	0 0348	0 400	1	03/30/08 15:51	SW846 8270C	8034561
4-Bromophenyl phenyl ether	ND		mg/kg dry	0 133	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Butyl benzyl phthalate	ND		mg/kg dry	0 107	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Carbazole	ND		mg/kg dry	0 198	0 400	1	03/30/08 15:51	SW846 8270C	8034561
4-Chloro-3-methylphenol	ND		mg/kg dry	0 120	0 400	1	03/30/08 15:51	SW846 8270C	8034561
4-Chloroaniline	ND		mg/kg dry	0 347	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Bis(2-chloroethoxy)methane	ND		mg/kg dry	0 133	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Bis(2-chloroethyl)ether	ND		mg/kg dry	0 162	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0 122	0 400	1	03/30/08 15:51	SW846 8270C	8034561
2-Chloronaphthalene	ND		mg/kg dry	0 0817	0 400	1	03/30/08 15:51	SW846 8270C	8034561
2-Chlorophenol	ND		mg/kg dry	0 131	0 400	1	03/30/08 15:51	SW846 8270C	8034561
4-Chlorophenyl phenyl ether	ND		mg/kg dry	0 133	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Chrysene	0.0612	J	mg/kg dry	0 0468	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Dibenz (a h) anthracene	ND	U	mg/kg dry	0 0372	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Dibenzofuran	ND		mg/kg dry	0 107	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Di-n-butyl phthalate	ND		mg/kg dry	0 103	0 400	1	03/30/08 15:51	SW846 8270C	8034561
1,4-Dichlorobenzene	ND		mg/kg dry	0 138	0 400	1	03/30/08 15:51	SW846 8270C	8034561
1,2-Dichlorobenzene	ND		mg/kg dry	0 106	0 400	1	03/30/08 15:51	SW846 8270C	8034561
1,3-Dichlorobenzene	ND		mg/kg dry	0 0961	0 400	1	03/30/08 15:51	SW846 8270C	8034561
3 3-Dichlorobenzidine	ND		mg/kg dry	0 324	0 801	1	03/30/08 15:51	SW846 8270C	8034561
2 4-Dichlorophenol	ND		mg/kg dry	0 104	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Diethyl phthalate	ND		mg/kg dry	0 0600	0 400	1	03/30/08 15:51	SW846 8270C	8034561
2,4-Dimethylphenol	ND		mg/kg dry	0 337	0 400	1	03/30/08 15:51	SW846 8270C	8034561
Dimethyl phthalate	ND		mg/kg dry	0 106	0 400	1	03/30/08 15:51	SW846 8270C	8034561
4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0 109	1 00	1	03/30/08 15:51	SW846 8270C	8034561
2,4-Dinitrophenol	ND		mg/kg dry	0 162	1 00	1	03/30/08 15:51	SW846 8270C	8034561
2,6-Dinitrotoluene	ND		mg/kg dry	0 133	0 400	1	03/30/08 15:51	SW846 8270C	8034561
2 4-Dinitrotoluene	ND		mg/kg dry	0 106	0 400	1	03/30/08 15:51	SW846 8270C	8034561

06/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-03 (SF-02 Dup - Soil) - cont. Sampled: 03/28/08 16:02									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Di-n-octyl phthalate	ND	U	mg/kg dry	0.159	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Bis(2-ethylhexyl)phthalate	5.15		mg/kg dry	0.267	0.800	2	03/30/08 20:09	SW846 8270C	8034561
Fluoranthene	0.0608	J	mg/kg dry	0.0408	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Fluorene	ND	U	mg/kg dry	0.0468	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Hexachlorobenzene	ND		mg/kg dry	0.0997	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Hexachlorobutadiene	ND		mg/kg dry	0.130	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Hexachlorocyclopentadiene	ND		mg/kg dry	0.133	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Hexachloroethane	ND		mg/kg dry	0.126	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0372	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Isophorone	ND		mg/kg dry	0.120	0.400	1	03/30/08 15:51	SW846 8270C	8034561
2-Methylnaphthalene	0.122	J	mg/kg dry	0.0396	0.400	1	03/30/08 15:51	SW846 8270C	8034561
2-Methylphenol	ND	U	mg/kg dry	0.119	0.400	1	03/30/08 15:51	SW846 8270C	8034561
3/4-Methylphenol	ND	U,J	mg/kg dry	0.174	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Naphthalene	ND	U	mg/kg dry	0.0492	0.400	1	03/30/08 15:51	SW846 8270C	8034561
3-Nitroaniline	ND		mg/kg dry	0.132	1.00	1	03/30/08 15:51	SW846 8270C	8034561
2-Nitroaniline	ND		mg/kg dry	0.133	1.00	1	03/30/08 15:51	SW846 8270C	8034561
4-Nitroaniline	ND		mg/kg dry	0.330	1.00	1	03/30/08 15:51	SW846 8270C	8034561
Nitrobenzene	ND		mg/kg dry	0.127	0.400	1	03/30/08 15:51	SW846 8270C	8034561
4-Nitrophenol	ND		mg/kg dry	0.331	1.00	1	03/30/08 15:51	SW846 8270C	8034561
2-Nitrophenol	ND		mg/kg dry	0.237	0.400	1	03/30/08 15:51	SW846 8270C	8034561
N-Nitrosodiphenylamine	ND		mg/kg dry	0.131	0.400	1	03/30/08 15:51	SW846 8270C	8034561
N-Nitrosodi-n-propylamine	ND	U,J	mg/kg dry	0.147	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Pentachlorophenol	ND	U	mg/kg dry	0.0889	1.00	1	03/30/08 15:51	SW846 8270C	8034561
Phenanthrene	0.220	J	mg/kg dry	0.0408	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Phenol	ND	U	mg/kg dry	0.0829	0.400	1	03/30/08 15:51	SW846 8270C	8034561
Pyrene	0.0676	J	mg/kg dry	0.0492	0.400	1	03/30/08 15:51	SW846 8270C	8034561
1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.133	0.400	1	03/30/08 15:51	SW846 8270C	8034561
1-Methylnaphthalene	ND	U,J	mg/kg dry	0.0384	0.400	1	03/30/08 15:51	SW846 8270C	8034561
2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.104	0.400	1	03/30/08 15:51	SW846 8270C	8034561
2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.0817	1.00	1	03/30/08 15:51	SW846 8270C	8034561
Surr: Terphenyl-d14 (26-128%)	*62 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Surr: 2,4,6-Tribromophenol (20-132%)	*68 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Surr: Phenol-d5 (23-113%)	*45 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Surr: 2-Fluorobiphenyl (19-109%)	*58 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Surr: 2-Fluorophenol (19-105%)	*44 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Surr: Nitrobenzene-d5 (22-104%)	*45 %*					*1*	*03/30/08 15:51*	*SW846 8270C*	*8034561*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	4940		mg/kg dry	462	476	100	04/02/08 18:24	TDHE	8034655
Surr: o-Terphenyl (50-150%)	*	Z-4				*100*	*04/02/08 18:24*	*TDHE*	*8034655*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) TN	3.59	J	mg/kg dry	0.488	4.88	50	04/02/08 21:20	TN GRO TDEC	8040247
Surr: a,a,a-Trifluorotoluene (52-145%)	*75 %*					*50*	*04/02/08 21:20*	*TN GRO TDEC*	*8040247*

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-04 (VG-01 - Soil) Sampled: 03/28/08 15:30									
General Chemistry Parameters									
% Dry Solids	66.5		%	0.500	0.500	1	04/03/08 09:49	SW-846	8040210
Total Metals by EPA Method 6010B									
Aluminum	4740		mg/kg dry	8.16	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Antimony	ND	U	mg/kg dry	2.08	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Arsenic	ND	U	mg/kg dry	1.33	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Barium	88.2		mg/kg dry	0.741	2.97	1	04/04/08 14:26	SW846 6010B	8034669
Beryllium	ND	U	mg/kg dry	0.445	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Cadmium	0.504	J	mg/kg dry	0.297	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Calcium	7410		mg/kg dry	4.45	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Chromium	5.34		mg/kg dry	0.593	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Cobalt	ND	U	mg/kg dry	1.19	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Copper	36.5		mg/kg dry	1.04	2.97	1	04/04/08 14:26	SW846 6010B	8034669
Iron	3860		mg/kg dry	12.6	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Lead	15.8		mg/kg dry	0.741	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Magnesium	1090		mg/kg dry	6.67	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Manganese	124		mg/kg dry	0.445	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Nickel	2.64		mg/kg dry	0.741	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Potassium	2790		mg/kg dry	44.5	148	1	04/04/08 14:26	SW846 6010B	8034669
Selenium	5.39		mg/kg dry	1.63	2.97	1	04/04/08 14:26	SW846 6010B	8034669
Silver	ND	U	mg/kg dry	0.741	1.48	1	04/04/08 14:26	SW846 6010B	8034669
Sodium	305		mg/kg dry	148	297	1	04/04/08 14:26	SW846 6010B	8034669
Thallium	ND	UJ	mg/kg dry	2.82	2.97	1	04/04/08 14:26	SW846 6010B	8034669
Vanadium	7.86	J	mg/kg dry	1.63	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Zinc	50.3		mg/kg dry	4.89	14.8	1	04/04/08 14:26	SW846 6010B	8034669
Mercury by EPA Methods 7470A/7471A									
Mercury	0.106	J	mg/kg dry	0.0446	0.149	1	04/04/08 15:04	SW846 7471A	8040053
Volatile Organic Compounds by EPA Method 8260B									
Acetone	~~ND~~	R	mg/kg dry	18.8	37.6	50	03/29/08 23:22	SW846 8260B	8034627
Benzene	ND	U	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Bromobenzene	ND	U	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Bromochloromethane	ND	UJ	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Bromodichloromethane	ND	U	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Bromoform	ND	U	mg/kg dry	0.398	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Bromomethane	ND	UJ	mg/kg dry	1.18	1.50	50	03/29/08 23:22	SW846 8260B	8034627
2-Butanone	~~ND~~ U	R	mg/kg dry	3.76	37.6	50	03/29/08 23:22	SW846 8260B	8034627
sec-Butylbenzene	1.42	J	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
n-Butylbenzene	2.74		mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
tert-Butylbenzene	ND	U	mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Carbon disulfide	ND		mg/kg dry	0.504	3.76	50	03/29/08 23:22	SW846 8260B	8034627
Carbon Tetrachloride	ND		mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Chlorobenzene	ND		mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Chlorodibromomethane	ND		mg/kg dry	0.504	1.50	50	03/29/08 23:22	SW846 8260B	8034627
Chloroethane	ND		mg/kg dry	0.504	3.76	50	03/29/08 23:22	SW846 8260B	8034627

06/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth GA 30096
Attn Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Sample ID: NRC2505-04 (VG-01 - Soil) - cont. Sampled: 03/28/08 15:30

Volatile Organic Compounds by EPA Method 8260B - cont

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND	U	mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Chloromethane	ND		mg/kg dry	0 662	1 50	50	03/29/08 23:22	SW846 8260B	8034627
2-Chlorotoluene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
4-Chlorotoluene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0 752	3 76	50	03/29/08 23:22	SW846 8260B	8034627
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Dibromomethane	ND		mg/kg dry	0 406	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,4-Dichlorobenzene	ND		mg/kg dry	0 481	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,3-Dichlorobenzene	ND		mg/kg dry	0 398	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2-Dichlorobenzene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Dichlorodifluoromethane	ND		mg/kg dry	0 699	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1-Dichloroethane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2-Dichloroethane	ND		mg/kg dry	0 602	1 50	50	03/29/08 23:22	SW846 8260B	8034627
cis-1,2-Dichloroethene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1-Dichloroethene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
trans-1,2-Dichloroethene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,3-Dichloropropane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2-Dichloropropane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
2,2-Dichloropropane	ND		mg/kg dry	0 316	1 50	50	03/29/08 23:22	SW846 8260B	8034627
cis-1,3-Dichloropropene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
trans-1,3-Dichloropropene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1-Dichloropropene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Ethylbenzene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Hexachlorobutadiene	ND		mg/kg dry	0 474	3 76	50	03/29/08 23:22	SW846 8260B	8034627
2-Hexanone	ND		mg/kg dry	3 06	37 6	50	03/29/08 23:22	SW846 8260B	8034627
Isopropylbenzene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
p-Isopropyltoluene	1.01	J	mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Methyl tert-Butyl Ether	ND	U	mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Methylene Chloride	9 05	B	mg/kg dry	2 62	7 52	50	03/29/08 23:22	SW846 8260B	8034627
4-Methyl-2-pentanone	ND	U	mg/kg dry	3 20	37 6	50	03/29/08 23:22	SW846 8260B	8034627
Naphthalene	6.96		mg/kg dry	1 14	3 76	50	03/29/08 23:22	SW846 8260B	8034627
n-Propylbenzene	1.44	J	mg/kg dry	0 398	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Styrene	ND	U	mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0 376	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Tetrachloroethene	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Toluene	0.925	J	mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0 496	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2,4-Trichlorobenzene	ND		mg/kg dry	0 489	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,1,2-Trichloroethane	ND		mg/kg dry	0 767	3 76	50	03/29/08 23:22	SW846 8260B	8034627
1,1,1-Trichloroethane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Trichloroethene	ND		mg/kg dry	0 211	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Trichlorofluoromethane	ND		mg/kg dry	0 504	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,2,3-Trichloropropane	ND		mg/kg dry	0 414	1 50	50	03/29/08 23:22	SW846 8260B	8034627
1,3,5-Trimethylbenzene	6.40		mg/kg dry	0 504	1 50	50	03/31/08 17:35	SW846 8260B	8034828

04/04/08

Client Tetra Tech EMI (7797)
1955 Evergreen Blvd., Building 200, Suite 300
Duluth, GA 30096
Attn Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received 03/29/08 06.45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-04 (VG-01 - Soil) - cont. Sampled: 03/28/08 15:30									
Volatile Organic Compounds by EPA Method 8260B - cont									
1,2,4-Trimethylbenzene	16.0		mg/kg dry	0 955	1 50	50	03/31/08 17:35	SW846 8260B	8034828
Vinyl chloride	ND	U	mg/kg dry	0 534	1 50	50	03/29/08 23:22	SW846 8260B	8034627
Xylenes, total	9 29		mg/kg dry	1 29	3 76	50	03/31/08 17:35	SW846 8260B	8034828
Surr 1,2-Dichloroethane-d4 (41-150%)	*103 %*					*50*	*03/29/08 23 22*	*SW846 8260B*	*8034627*
Surr 1,2-Dichloroethane-d4 (41-150%)	*112 %*					*50*	*03/31/08 17 35*	*SW846 8260B*	*8034828*
Surr Dibromofluoromethane (55-139%)	*105 %*					*50*	*03/29/08 23 22*	*SW846 8260B*	*8034627*
Surr Dibromofluoromethane (55-139%)	*108 %*					*50*	*03/31/08 17 35*	*SW846 8260B*	*8034828*
Surr Toluene-d8 (57-148%)	*97 %*					*50*	*03/29/08 23 22*	*SW846 8260B*	*8034627*
Surr Toluene-d8 (57-148%)	*95 %*					*50*	*03/31/08 17 35*	*SW846 8260B*	*8034828*
Surr 4-Bromofluorobenzene (58-150%)	*95 %*					*50*	*03/29/08 23 22*	*SW846 8260B*	*8034627*
Surr 4-Bromofluorobenzene (58-150%)	*98 %*					*50*	*03/31/08 17 35*	*SW846 8260B*	*8034828*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg dry	1 20	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Acenaphthylene	9.56	J	mg/kg dry	1 24	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Anthracene	2.60	J	mg/kg dry	1 28	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Benzo (a) anthracene	ND	U	mg/kg dry	1 48	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Benzo (a) pyrene	ND		mg/kg dry	1 13	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Benzo (b) fluoranthene	ND		mg/kg dry	1 24	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Benzo (g,h,i) perylene	ND		mg/kg dry	1 13	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Benzo (k) fluoranthene	ND		mg/kg dry	1 13	12 9	1	03/30/08 16:17	SW846 8270C	8034561
4-Bromophenyl phenyl ether	ND		mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Butyl benzyl phthalate	ND		mg/kg dry	3 46	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Carbazole	ND		mg/kg dry	6 41	12 9	1	03/30/08 16:17	SW846 8270C	8034561
4-Chloro-3-methylphenol	ND		mg/kg dry	3 88	12 9	1	03/30/08 16:17	SW846 8270C	8034561
4-Chloroaniline	ND		mg/kg dry	11 2	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Bis(2-chloroethoxy)methane	ND		mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Bis(2-chloroethyl)ether	ND		mg/kg dry	5 24	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Bis(2-chloroisopropyl)ether	ND		mg/kg dry	3 96	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2-Chloronaphthalene	ND		mg/kg dry	2 64	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2-Chlorophenol	ND		mg/kg dry	4 23	12 9	1	03/30/08 16:17	SW846 8270C	8034561
4-Chlorophenyl phenyl ether	ND		mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Chrysene	ND		mg/kg dry	1 51	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Dibenz (a,h) anthracene	ND		mg/kg dry	1 20	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Dibenzofuran	ND		mg/kg dry	3 46	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Di-n-butyl phthalate	ND		mg/kg dry	3 34	12 9	1	03/30/08 16:17	SW846 8270C	8034561
1,4-Dichlorobenzene	ND		mg/kg dry	4 46	12 9	1	03/30/08 16:17	SW846 8270C	8034561
1 2-Dichlorobenzene	ND		mg/kg dry	3 42	12 9	1	03/30/08 16:17	SW846 8270C	8034561
1 3-Dichlorobenzene	ND		mg/kg dry	3 11	12 9	1	03/30/08 16:17	SW846 8270C	8034561
3,3-Dichlorobenzidine	ND		mg/kg dry	10.5	25 9	1	03/30/08 16:17	SW846 8270C	8034561
2,4-Dichlorophenol	ND		mg/kg dry	3 38	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Diethyl phthalate	ND		mg/kg dry	1 94	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2,4-Dimethylphenol	ND		mg/kg dry	10 9	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Dimethyl phthalate	ND		mg/kg dry	3 42	12 9	1	03/30/08 16:17	SW846 8270C	8034561

06/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200 Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-04 (VG-01 - Soil) - cont. Sampled: 03/28/08 15:30									
Semivolatile Organic Compounds by EPA Method 8270C - cont									
4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	3 53	32 3	1	03/30/08 16:17	SW846 8270C	8034561
2,4-Dinitrophenol	ND	U	mg/kg dry	5 24	32 3	1	03/30/08 16:17	SW846 8270C	8034561
2,6-Dinitrotoluene	ND	U	mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2,4-Dinitrotoluene	ND	U	mg/kg dry	3 42	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Di-n-octyl phthalate	ND	U	mg/kg dry	5 12	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Bis(2-ethylhexyl)phthalate	6.51	J	mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Fluoranthene	ND	U	mg/kg dry	1 32	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Fluorene	ND	U	mg/kg dry	1 51	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Hexachlorobenzene	ND	U	mg/kg dry	3 22	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Hexachlorobutadiene	ND	U	mg/kg dry	4 19	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Hexachlorocyclopentadiene	ND	U	mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Hexachloroethane	ND	U	mg/kg dry	4 08	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Indeno (1,2,3-cd) pyrene	ND	U	mg/kg dry	1 20	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Isophorone	ND	U	mg/kg dry	3 88	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2-Methylnaphthalene	21.0		mg/kg dry	1 28	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2-Methylphenol	ND	U	mg/kg dry	3 84	12 9	1	03/30/08 16:17	SW846 8270C	8034561
3/4-Methylphenol	ND	U	mg/kg dry	5 63	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Naphthalene	8.96	J	mg/kg dry	1 59	12 9	1	03/30/08 16:17	SW846 8270C	8034561
3-Nitroaniline	ND	U	mg/kg dry	4 27	32 3	1	03/30/08 16:17	SW846 8270C	8034561
2-Nitroaniline	ND	U	mg/kg dry	4 31	32 3	1	03/30/08 16:17	SW846 8270C	8034561
4-Nitroaniline	ND	U	mg/kg dry	10 7	32 3	1	03/30/08 16:17	SW846 8270C	8034561
Nitrobenzene	ND	U	mg/kg dry	4 12	12 9	1	03/30/08 16:17	SW846 8270C	8034561
4-Nitrophenol	ND	U	mg/kg dry	10 7	32 3	1	03/30/08 16:17	SW846 8270C	8034561
2-Nitrophenol	ND	U	mg/kg dry	1 65	12 9	1	03/30/08 16:17	SW846 8270C	8034561
N-Nitrosodiphenylamine	ND	U	mg/kg dry	4 23	12 9	1	03/30/08 16:17	SW846 8270C	8034561
N-Nitrosodi-n-propylamine	ND	U	mg/kg dry	4 74	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Pentachlorophenol	ND	U	mg/kg dry	2 87	32 3	1	03/30/08 16:17	SW846 8270C	8034561
Phenanthrene	12 7	J	mg/kg dry	1 32	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Phenol	ND	U	mg/kg dry	2 68	12 9	1	03/30/08 16:17	SW846 8270C	8034561
Pyrene	3.87	J	mg/kg dry	1 59	12 9	1	03/30/08 16:17	SW846 8270C	8034561
1,2,4-Trichlorobenzene	ND	U	mg/kg dry	4 31	12 9	1	03/30/08 16:17	SW846 8270C	8034561
1-Methylnaphthalene	17 5	J	mg/kg dry	1 24	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2,4,6-Trichlorophenol	ND	U	mg/kg dry	3 38	12 9	1	03/30/08 16:17	SW846 8270C	8034561
2,4,5-Trichlorophenol	ND	U	mg/kg dry	2 64	32 3	1	03/30/08 16:17	SW846 8270C	8034561
Surr Terphenyl-d14 (26-128%)	*77 %*					*1*	*03/30/08 16 17*	*SW846 8270C*	*8034561*
Surr 2,4,6-Tribromophenol (20-132%)	*77 %*					*1*	*03/30/08 16:17*	*SW846 8270C*	*8034561*
Surr Phenol-d5 (23-113%)	*60 %*					*1*	*03/30/08 16 17*	*SW846 8270C*	*8034561*
Surr 2-Fluorobiphenyl (19-109%)	*88 %*					*1*	*03/30/08 16 17*	*SW846 8270C*	*8034561*
Surr 2-Fluorophenol (19-105%)	*67 %*					*1*	*03/30/08 16 17*	*SW846 8270C*	*8034561*
Surr Nitrobenzene-d5 (22-104%)	*138 %*	ZK				*1*	*03/30/08 16 17*	*SW846 8270C*	*8034561*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	717000	J	mg/kg dry	10400	10700	100	04/02/08 01:36	TDHE	8034655
Surr o-Terphenyl (50-150%)	*	ZK				*100*	*04/02/08 01.36*	*TDHE*	*8034655*

06/04/08

04/22/08
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Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200 Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-04 (VG-01 - Soil) - cont. Sampled: 03/28/08 15:30									
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) TN	608		mg/kg dry	6 02	60 2	50	04/02/08 21:51	TN GRO TDEC	8040247
Surr a a a-Trifluorotoluene (52-145%)	*76 %*					*50*	*04/02/08 21 51*	*TN GRO TDEC*	*8040247*
Sample ID: NRC2505-05 (VG-02 - Soil) Sampled: 03/28/08 15:56									
General Chemistry Parameters									
% Dry Solids	58 8		%	0 500	0 500	1	04/03/08 09:49	SW-846	8040210
Total Metals by EPA Method 6010B									
Aluminum	3160		mg/kg dry	9 45	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Antimony	ND	U	mg/kg dry	2 41	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Arsenic	ND	U	mg/kg dry	1 55	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Barium	56.9		mg/kg dry	0 859	3 44	1	04/04/08 14:31	SW846 6010B	8034669
Beryllium	ND	U	mg/kg dry	0 515	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Cadmium	0 378	J	mg/kg dry	0 344	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Calcium	5270		mg/kg dry	5 15	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Chromium	4.54		mg/kg dry	0 687	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Cobalt	ND	U	mg/kg dry	1 37	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Copper	12 6		mg/kg dry	1 20	3 44	1	04/04/08 14:31	SW846 6010B	8034669
Iron	3670		mg/kg dry	14 6	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Lead	12.8		mg/kg dry	0 859	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Magnesium	1050		mg/kg dry	7 73	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Manganese	153		mg/kg dry	0 515	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Nickel	2.68		mg/kg dry	0 859	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Potassium	2420		mg/kg dry	51 5	172	1	04/04/08 14:31	SW846 6010B	8034669
Selenium	6 87		mg/kg dry	1 89	3 44	1	04/04/08 14:31	SW846 6010B	8034669
Silver	ND	U	mg/kg dry	0 859	1 72	1	04/04/08 14:31	SW846 6010B	8034669
Sodium	265	J	mg/kg dry	172	344	1	04/04/08 14:31	SW846 6010B	8034669
Thallium	ND	U J	mg/kg dry	3 26	3 44	1	04/04/08 14:31	SW846 6010B	8034669
Vanadium	5.74	J	mg/kg dry	1 89	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Zinc	60.0		mg/kg dry	5 67	17 2	1	04/04/08 14:31	SW846 6010B	8034669
Mercury by EPA Methods 7470A/7471A									
Mercury	0.0654	J	mg/kg dry	0 0497	0 166	1	04/04/08 15:06	SW846 7471A	8040053
Volatile Organic Compounds by EPA Method 8260B									
Acetone	~~ND~~ R	RL1	mg/kg dry	21 3	42 5	50	03/29/08 23:51	SW846 8260B	8034627
Benzene	ND U	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Bromobenzene	ND U	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Bromochloromethane	ND U J	L, RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Bromodichloromethane	ND U	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Bromoform	ND U	RL1	mg/kg dry	0 451	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Bromomethane	ND U J	RL1	mg/kg dry	1 34	1 70	50	03/29/08 23:51	SW846 8260B	8034627
2-Butanone	~~ND~~ R U	RL1	mg/kg dry	4 25	42 5	50	03/29/08 23:51	SW846 8260B	8034627
sec-Butylbenzene	ND	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
n-Butylbenzene	ND	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
tert-Butylbenzene	ND	RL1	mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627

04/04/08

2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Sample ID: NRC2505-05 (VG-02 - Soil) - cont. Sampled: 03/28/08 15:56

Volatile Organic Compounds by EPA Method 8260B - cont

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Carbon disulfide	ND	U	mg/kg dry	0 570	4 25	50	03/29/08 23:51	SW846 8260B	8034627
Carbon Tetrachloride	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Chlorobenzene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Chlorodibromomethane	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Chloroethane	ND		mg/kg dry	0 570	4 25	50	03/29/08 23:51	SW846 8260B	8034627
Chloroform	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Chloromethane	ND		mg/kg dry	0 748	1 70	50	03/29/08 23:51	SW846 8260B	8034627
2-Chlorotoluene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
4-Chlorotoluene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0 850	4 25	50	03/29/08 23:51	SW846 8260B	8034627
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Dibromomethane	ND		mg/kg dry	0 459	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1 4-Dichlorobenzene	ND		mg/kg dry	0 544	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,3-Dichlorobenzene	ND		mg/kg dry	0 451	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,2-Dichlorobenzene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Dichlorodifluoromethane	ND		mg/kg dry	0 791	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1 1-Dichloroethane	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,2-Dichloroethane	ND		mg/kg dry	0 680	1 70	50	03/29/08 23:51	SW846 8260B	8034627
cis-1,2-Dichloroethene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,1-Dichloroethene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
trans-1,2-Dichloroethene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,3-Dichloropropane	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1 2-Dichloropropane	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
2,2-Dichloropropane	ND		mg/kg dry	0 357	1 70	50	03/29/08 23:51	SW846 8260B	8034627
cis-1,3-Dichloropropene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
trans-1,3-Dichloropropene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,1-Dichloropropene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Ethylbenzene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Hexachlorobutadiene	ND		mg/kg dry	0 536	4 25	50	03/29/08 23:51	SW846 8260B	8034627
2-Hexanone	ND		mg/kg dry	3 46	42 5	50	03/29/08 23:51	SW846 8260B	8034627
Isopropylbenzene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
p-Isopropyltoluene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Methyl tert-Butyl Ether	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Methylene Chloride	7 37	J	mg/kg dry	2 96	8 50	50	03/29/08 23:51	SW846 8260B	8034627
4-Methyl-2-pentanone	ND	U	mg/kg dry	3 62	42 5	50	03/29/08 23:51	SW846 8260B	8034627
Naphthalene	2.05	J	mg/kg dry	1 28	4 25	50	03/29/08 23:51	SW846 8260B	8034627
n-Propylbenzene	ND	U	mg/kg dry	0 451	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Styrene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0 425	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Tetrachloroethene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
Toluene	ND		mg/kg dry	0 570	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,2,3-Trichlorobenzene	ND		mg/kg dry	0 561	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,2,4-Trichlorobenzene	ND		mg/kg dry	0 553	1 70	50	03/29/08 23:51	SW846 8260B	8034627
1,1 2-Trichloroethane	ND		mg/kg dry	0 867	4 25	50	03/29/08 23:51	SW846 8260B	8034627

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-05 (VG-02 - Soil) - cont. Sampled: 03/28/08 15:56									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1,1-Trichloroethane	ND	U	mg/kg dry	0.570	1.70	50	03/29/08 23:51	SW846 8260B	8034627
Trichloroethene	ND	U	mg/kg dry	0.238	1.70	50	03/29/08 23:51	SW846 8260B	8034627
Trichlorofluoromethane	ND	U	mg/kg dry	0.570	1.70	50	03/29/08 23:51	SW846 8260B	8034627
1,2,3-Trichloropropane	ND	U	mg/kg dry	0.468	1.70	50	03/29/08 23:51	SW846 8260B	8034627
1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.570	1.70	50	03/29/08 23:51	SW846 8260B	8034627
1,2,4-Trimethylbenzene	1.21	J	mg/kg dry	1.08	1.70	50	03/29/08 23:51	SW846 8260B	8034627
Vinyl chloride	ND	U	mg/kg dry	0.604	1.70	50	03/29/08 23:51	SW846 8260B	8034627
Xylenes, total	ND	U	mg/kg dry	1.46	4.25	50	03/29/08 23:51	SW846 8260B	8034627
Surr: 1,2-Dichloroethane-d4 (41-150%)	*103 %*					*50*	*03/29/08 23:51*	*SW846 8260B*	*8034627*
Surr: Dibromofluoromethane (55-139%)	*105 %*					*50*	*03/29/08 23:51*	*SW846 8260B*	*8034627*
Surr: Toluene-d8 (57-148%)	*97 %*					*50*	*03/29/08 23:51*	*SW846 8260B*	*8034627*
Surr: 4-Bromofluorobenzene (58-150%)	*93 %*					*50*	*03/29/08 23:51*	*SW846 8260B*	*8034627*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg dry	1.36	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Acenaphthylene	ND	U	mg/kg dry	1.40	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Anthracene	1.72	J	mg/kg dry	1.45	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Benzo (a) anthracene	ND	U	mg/kg dry	1.67	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Benzo (a) pyrene	ND	U	mg/kg dry	1.27	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Benzo (b) fluoranthene	ND	U	mg/kg dry	1.40	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Benzo (g,h,i) perylene	ND	U	mg/kg dry	1.27	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Benzo (k) fluoranthene	ND	U	mg/kg dry	1.27	14.6	1	03/30/08 16:43	SW846 8270C	8034561
4-Bromophenyl phenyl ether	ND	U	mg/kg dry	4.87	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Butyl benzyl phthalate	ND	U	mg/kg dry	3.90	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Carbazole	ND	U	mg/kg dry	7.23	14.6	1	03/30/08 16:43	SW846 8270C	8034561
4-Chloro-3-methylphenol	ND	U	mg/kg dry	4.38	14.6	1	03/30/08 16:43	SW846 8270C	8034561
4-Chloroaniline	ND	U	mg/kg dry	12.7	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	4.87	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Bis(2-chloroethyl)ether	ND	U	mg/kg dry	5.92	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	4.47	14.6	1	03/30/08 16:43	SW846 8270C	8034561
2-Chloronaphthalene	ND	U	mg/kg dry	2.98	14.6	1	03/30/08 16:43	SW846 8270C	8034561
2-Chlorophenol	ND	U	mg/kg dry	4.78	14.6	1	03/30/08 16:43	SW846 8270C	8034561
4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	4.87	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Chrysene	3.54	J	mg/kg dry	1.71	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Dibenz (a,h) anthracene	ND	U	mg/kg dry	1.36	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Dibenzofuran	*9.01*	J	mg/kg dry	3.90	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Di-n-butyl phthalate	ND	U	mg/kg dry	3.77	14.6	1	03/30/08 16:43	SW846 8270C	8034561
1,4-Dichlorobenzene	ND	U	mg/kg dry	5.04	14.6	1	03/30/08 16:43	SW846 8270C	8034561
1,2-Dichlorobenzene	ND	U	mg/kg dry	3.86	14.6	1	03/30/08 16:43	SW846 8270C	8034561
1,3-Dichlorobenzene	ND	U	mg/kg dry	3.51	14.6	1	03/30/08 16:43	SW846 8270C	8034561
3,3-Dichlorobenzidine	ND	U	mg/kg dry	11.8	29.2	1	03/30/08 16:43	SW846 8270C	8034561
2,4-Dichlorophenol	ND	U	mg/kg dry	3.81	14.6	1	03/30/08 16:43	SW846 8270C	8034561
Diethyl phthalate	ND	U	mg/kg dry	2.19	14.6	1	03/30/08 16:43	SW846 8270C	8034561
2,4-Dimethylphenol	ND	U	mg/kg dry	12.3	14.6	1	03/30/08 16:43	SW846 8270C	8034561

06/04/08

Client: Tetra Tech EMI (7797)
1955 Evergreen Blvd , Building 200, Suite 300
Duluth, GA 30096
Attn: Jessica Vickers

Work Order: NRC2505
Project Name: Oliver Springs Oil Well ER
Project Number: Oliver Springs Oil Well ER
Received: 03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-05 (VG-02 - Soil) - cont. Sampled: 03/28/08 15:56									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Dimethyl phthalate	ND	U	mg/kg dry	3 86	14 6	1	03/30/08 16:43	SW846 8270C	8034561
4,6-Dinitro-2-methylphenol	ND		mg/kg dry	3 99	36 5	1	03/30/08 16:43	SW846 8270C	8034561
2,4-Dinitrophenol	ND		mg/kg dry	5 92	36 5	1	03/30/08 16:43	SW846 8270C	8034561
2 6-Dinitrotoluene	ND		mg/kg dry	4 87	14 6	1	03/30/08 16:43	SW846 8270C	8034561
2,4-Dinitrotoluene	ND		mg/kg dry	3 86	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Di-n-octyl phthalate	ND		mg/kg dry	5 79	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Bis(2-ethylhexyl)phthalate	295		mg/kg dry	24 3	73 0	5	03/30/08 20:34	SW846 8270C	8034561
Fluoranthene	ND	U	mg/kg dry	1 49	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Fluorene	ND		mg/kg dry	1 71	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Hexachlorobenzene	ND		mg/kg dry	3 64	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Hexachlorobutadiene	ND		mg/kg dry	4 73	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Hexachlorocyclopentadiene	ND		mg/kg dry	4 87	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Hexachloroethane	ND		mg/kg dry	4 60	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Indeno (1,2 3-cd) pyrene	ND		mg/kg dry	1 36	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Isophorone	ND		mg/kg dry	4 38	14 6	1	03/30/08 16:43	SW846 8270C	8034561
2-Methylnaphthalene	3.93	(J)	mg/kg dry	1 45	14 6	1	03/30/08 16:43	SW846 8270C	8034561
2-Methylphenol	ND	U	mg/kg dry	4 34	14 6	1	03/30/08 16:43	SW846 8270C	8034561
3/4-Methylphenol	ND	UJ	mg/kg dry	6 36	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Naphthalene	ND	U	mg/kg dry	1 80	14 6	1	03/30/08 16:43	SW846 8270C	8034561
3-Nitroaniline	ND		mg/kg dry	4 82	36 5	1	03/30/08 16:43	SW846 8270C	8034561
2-Nitroaniline	ND		mg/kg dry	4 87	36 5	1	03/30/08 16:43	SW846 8270C	8034561
4-Nitroaniline	ND		mg/kg dry	12 1	36 5	1	03/30/08 16:43	SW846 8270C	8034561
Nitrobenzene	ND		mg/kg dry	4 65	14 6	1	03/30/08 16:43	SW846 8270C	8034561
4-Nitrophenol	ND		mg/kg dry	12 1	36 5	1	03/30/08 16:43	SW846 8270C	8034561
2-Nitrophenol	ND		mg/kg dry	8 63	14 6	1	03/30/08 16:43	SW846 8270C	8034561
N-Nitrosodiphenylamine	27.2		mg/kg dry	4 78	14 6	1	03/30/08 16:43	SW846 8270C	8034561
N-Nitrosodi-n-propylamine	ND	UJ	mg/kg dry	5 35	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Pentachlorophenol	ND	U	mg/kg dry	3 24	36 5	1	03/30/08 16:43	SW846 8270C	8034561
Phenanthrene	11 4	(J)	mg/kg dry	1 49	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Phenol	ND	U	mg/kg dry	3 02	14 6	1	03/30/08 16:43	SW846 8270C	8034561
Pyrene	3.46	(J)	mg/kg dry	1 80	14 6	1	03/30/08 16:43	SW846 8270C	8034561
1,2 4-Trichlorobenzene	ND	U	mg/kg dry	4 87	14 6	1	03/30/08 16:43	SW846 8270C	8034561
1-Methylnaphthalene	ND	UJ	mg/kg dry	1 40	14 6	1	03/30/08 16:43	SW846 8270C	8034561
2,4,6-Trichlorophenol	ND	U	mg/kg dry	3 81	14 6	1	03/30/08 16:43	SW846 8270C	8034561
2,4,5-Trichlorophenol	ND	U	mg/kg dry	2 98	36 5	1	03/30/08 16:43	SW846 8270C	8034561
Surr Terphenyl-d14 (26-128%)	*92 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Surr 2 4 6-Tribromophenol (20-132%)	*89 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Surr Phenol-d5 (23-113%)	*68 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Surr 2-Fluorobiphenyl (19-109%)	*84 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Surr 2-Fluorophenol (19-105%)	*76 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Surr Nitrobenzene-d5 (22-104%)	*90 %*					*1*	*03/30/08 16 43*	*SW846 8270C*	*8034561*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	612000	J	mg/kg dry	12700	13100	100	04/02/08 01:56	TDHE	8034655

04/04/08

2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Tetra Tech EMI (7797)	Work Order:	NRC2505
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	03/29/08 06:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC2505-05 (VG-02 - Soil) - cont. Sampled: 03/28/08 15:56									
Extractable Petroleum Hydrocarbons - cont									
Surr o-Terphenyl (50-150%)	v					*100*	*04/02/08 01 56*	*TDHE*	*8034655*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) TN	173		mg/kg dry	6 80	68 0	50	04/02/08 22.23	TN GRO TDEC	8040247
Surr a a a-Trifluorotoluene (52-145%)	*73 %*					*50*	*04/02/08 22 23*	*TN GRO TDEC*	*8040247*

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd . Building 200. Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-01 (SF-03 (Backfill Source) - Soil) Sampled: 04/01/08 11:35									
Total Metals by EPA Method 6010B									
Aluminum	12400	M1	mg/kg	5 54	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Antimony	ND	U	mg/kg	1 41	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Arsenic	4.07		mg/kg	0 907	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Barium	95.8		mg/kg	0 504	2 02	1	04/02/08 13:24	SW846 6010B	8040230
Beryllium	0.726	J	mg/kg	0 302	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Cadmium	1.15		mg/kg	0 202	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Calcium	754		mg/kg	3 02	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Chromium	12.2		mg/kg	0 403	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Cobalt	10.4		mg/kg	0 806	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Copper	13 9		mg/kg	0 706	2 02	1	04/02/08 13:24	SW846 6010B	8040230
Iron	16500	M1	mg/kg	8 57	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Lead	13.6		mg/kg	0 504	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Magnesium	1420		mg/kg	4 54	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Manganese	541	M2	mg/kg	0 302	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Nickel	17 6		mg/kg	0 504	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Potassium	2060		mg/kg	30 2	101	1	04/02/08 13:24	SW846 6010B	8040230
Selenium	3.35	J+	mg/kg	1 11	2 02	1	04/02/08 13:24	SW846 6010B	8040230
Silver	ND	U	mg/kg	0 504	1 01	1	04/02/08 13:24	SW846 6010B	8040230
Sodium	185	J	mg/kg	101	202	1	04/02/08 13:24	SW846 6010B	8040230
Thallium	ND	UJ M2	mg/kg	1 92	2 02	1	04/02/08 13:24	SW846 6010B	8040230
Vanadium	20 8		mg/kg	1 11	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Zinc	58.9		mg/kg	3 33	10 1	1	04/02/08 13:24	SW846 6010B	8040230
Mercury by EPA Methods 7470A/7471A									
Mercury	0 0501	J	mg/kg	0 0296	0 0985	1	04/02/08 10:18	SW846 7471A	8040222
Organochlorine Pesticides by EPA Method 8081A									
Aldrin	ND	UJ	mg/kg	0 000793	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
delta-BHC	ND	U	mg/kg	0 000396	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
alpha-BHC	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
beta-BHC	ND		mg/kg	0 00119	0 00327	1	04/02/08 09:56	SW846 8081A	8040200
gamma-BHC (Lindane)	ND		mg/kg	0 000694	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
alpha-Chlordane	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
gamma-Chlordane	ND		mg/kg	0 000793	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Chlordane	ND		mg/kg	0 0119	0 0661	1	04/02/08 09:56	SW846 8081A	8040200
4 4 -DDD	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
4 4 -DDE	ND		mg/kg	0 000396	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
4 4 -DDT	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Dieldrin	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endosulfan I	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endosulfan II	ND		mg/kg	0 000694	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endosulfan sulfate	ND		mg/kg	0 000595	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endrin	ND		mg/kg	0 000595	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endrin aldehyde	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200
Endrin ketone	ND		mg/kg	0 000496	0 00168	1	04/02/08 09:56	SW846 8081A	8040200

06/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd. Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-01 (SF-03 (Backfill Source) - Soil) - cont. Sampled: 04/01/08 11:35									
Organochlorine Pesticides by EPA Method 8081A - cont									
Heptachlor	ND	U	mg/kg	0.000595	0.00168	1	04/02/08 09:56	SW846 8081A	8040200
Heptachlor epoxide	ND		mg/kg	0.00129	0.00168	1	04/02/08 09:56	SW846 8081A	8040200
Methoxychlor	ND		mg/kg	0.000595	0.00327	1	04/02/08 09:56	SW846 8081A	8040200
Toxaphene	ND		mg/kg	0.0287	0.0661	1	04/02/08 09:56	SW846 8081A	8040200
Surr: Tetrachloro-meta-xylene (10-150%)	*88 %*					*1*	*04/02/08 09:56*	*SW846 8081A*	*8040200*
Surr: Decachlorobiphenyl (12-150%)	*78 %*					*1*	*04/02/08 09:56*	*SW846 8081A*	*8040200*
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	U	mg/kg	0.00930	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1221	ND		mg/kg	0.0267	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1232	ND		mg/kg	0.0148	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1242	ND		mg/kg	0.0158	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1248	ND		mg/kg	0.0287	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1254	ND		mg/kg	0.0168	0.0329	1	04/02/08 11:18	SW846 8082	8040199
PCB-1260	ND		mg/kg	0.0267	0.0329	1	04/02/08 11:18	SW846 8082	8040199
Surr: Tetrachloro-meta-xylene (15-150%)	*98 %*					*1*	*04/02/08 11:18*	*SW846 8082*	*8040199*
Surr: Decachlorobiphenyl (10-150%)	*78 %*					*1*	*04/02/08 11:18*	*SW846 8082*	*8040199*
Volatile Organic Compounds by EPA Method 8260B									
Acetone	~~ND~~	R	mg/kg	0.0235	0.0469	1	04/01/08 19:01	SW846 8260B	8040197
Benzene	ND	U	mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Bromobenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Bromochloromethane	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Bromodichloromethane	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Bromoform	ND		mg/kg	0.000497	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Bromomethane	ND		mg/kg	0.00147	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
2-Butanone	~~ND~~	R	mg/kg	0.00469	0.0469	1	04/01/08 19:01	SW846 8260B	8040197
sec-Butylbenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
n-Butylbenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
tert-Butylbenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Carbon disulfide	ND		mg/kg	0.000629	0.00469	1	04/01/08 19:01	SW846 8260B	8040197
Carbon Tetrachloride	ND	U	mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Chlorobenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Chlorodibromomethane	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Chloroethane	ND		mg/kg	0.000629	0.00469	1	04/01/08 19:01	SW846 8260B	8040197
Chloroform	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Chloromethane	ND		mg/kg	0.000826	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
2-Chlorotoluene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
4-Chlorotoluene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.000938	0.00469	1	04/01/08 19:01	SW846 8260B	8040197
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
Dibromomethane	ND		mg/kg	0.000507	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
1,4-Dichlorobenzene	ND		mg/kg	0.000600	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
1,3-Dichlorobenzene	ND		mg/kg	0.000497	0.00188	1	04/01/08 19:01	SW846 8260B	8040197
1,2-Dichlorobenzene	ND		mg/kg	0.000629	0.00188	1	04/01/08 19:01	SW846 8260B	8040197

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04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-01 (SF-03 (Backfill Source) - Soil) - cont. Sampled: 04/01/08 11:35									
Volatile Organic Compounds by EPA Method 8260B - cont									
Dichlorodifluoromethane	ND	U	mg/kg	0 000872	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1-Dichloroethane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 2-Dichloroethane	ND		mg/kg	0 000750	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
cis-1 2-Dichloroethene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1-Dichloroethene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
trans-1 2-Dichloroethene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 3-Dichloropropane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 2-Dichloropropane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
2 2-Dichloropropane	ND		mg/kg	0 000394	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
cis-1 3-Dichloropropene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
trans-1 3-Dichloropropene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1-Dichloropropene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Ethylbenzene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Hexachlorobutadiene	ND		mg/kg	0 000591	0 00469	1	04/01/08 19:01	SW846 8260B	8040197
2-Hexanone	ND		mg/kg	0 00382	0 0469	1	04/01/08 19:01	SW846 8260B	8040197
Isopropylbenzene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
p-Isopropyltoluene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Methyl tert-Butyl Ether	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Methylene Chloride	0.00438	0.00680 U	mg/kg	0 00326	0 00938	1	04/01/08 19:01	SW846 8260B	8040197
4-Methyl-2-pentanone	ND		mg/kg	0 00400	0 0469	1	04/01/08 19:01	SW846 8260B	8040197
Naphthalene	ND		mg/kg	0 00142	0 00469	1	04/01/08 19:01	SW846 8260B	8040197
n-Propylbenzene	ND		mg/kg	0 000497	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Styrene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1 1 2-Tetrachloroethane	ND		mg/kg	0 000469	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1 2 2-Tetrachloroethane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Tetrachloroethene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Toluene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 2 3-Trichlorobenzene	ND		mg/kg	0 000619	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 2 4-Trichlorobenzene	ND		mg/kg	0 000610	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 1 2-Trichloroethane	ND		mg/kg	0 000957	0 00469	1	04/01/08 19:01	SW846 8260B	8040197
1 1 1-Trichloroethane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Trichloroethene	ND		mg/kg	0 000263	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Trichlorofluoromethane	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 2 3-Trichloropropane	ND		mg/kg	0 000516	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1 3 5-Trimethylbenzene	ND		mg/kg	0 000629	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
1,2 4-Trimethylbenzene	ND		mg/kg	0 00119	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Vinyl chloride	ND		mg/kg	0 000666	0 00188	1	04/01/08 19:01	SW846 8260B	8040197
Xylenes total	ND		mg/kg	0 00161	0 00469	1	04/01/08 19:01	SW846 8260B	8040197
Surr 1 2-Dichloroethane-d4 (41-150%)	*96 %*					*1*	*04/01/08 19 01*	*SW846 8260B*	*8040197*
Surr Dibromofluoromethane (55-139%)	*110 %*					*1*	*04/01/08 19 01*	*SW846 8260B*	*8040197*
Surr Toluene-d8 (57-148%)	*118 %*					*1*	*04/01/08 19 01*	*SW846 8260B*	*8040197*
Surr 4-Bromofluorobenzene (58-150%)	*120 %*					*1*	*04/01/08 19 01*	*SW846 8260B*	*8040197*

Semivolatile Organic Compounds by EPA Method 8270C

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-01 (SF-03 (Backfill Source) - Soil) - cont. Sampled: 04/01/08 11:35									
Semivolatile Organic Compounds by EPA Method 8270C - cont									
Acenaphthene	ND	U	mg/kg	0 0301	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Acenaphthylene	ND		mg/kg	0 0311	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Anthracene	ND		mg/kg	0 0321	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Benzo (a) anthracene	ND		mg/kg	0 0369	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Benzo (a) pyrene	ND		mg/kg	0 0282	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Benzo (b) fluoranthene	ND		mg/kg	0 0311	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Benzo (g,h,i) perylene	ND		mg/kg	0 0282	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Benzo (k) fluoranthene	ND		mg/kg	0 0282	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4-Bromophenyl phenyl ether	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Butyl benzyl phthalate	ND		mg/kg	0 0865	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Carbazole	ND		mg/kg	0 160	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4-Chloro-3-methylphenol	ND		mg/kg	0 0972	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4-Chloroaniline	ND		mg/kg	0 281	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Bis(2-chloroethoxy)methane	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Bis(2-chloroethyl)ether	ND		mg/kg	0 131	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Bis(2-chloroisopropyl)ether	ND		mg/kg	0 0991	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2-Chloronaphthalene	ND		mg/kg	0 0661	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2-Chlorophenol	ND		mg/kg	0 106	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4-Chlorophenyl phenyl ether	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Chrysene	ND		mg/kg	0 0379	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Dibenz (a,h) anthracene	ND		mg/kg	0 0301	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Dibenzofuran	ND		mg/kg	0 0865	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Di-n-butyl phthalate	ND		mg/kg	0 0836	0 324	1	04/02/08 13:53	SW846 8270C	8040196
1 4-Dichlorobenzene	ND		mg/kg	0 112	0 324	1	04/02/08 13:53	SW846 8270C	8040196
1 2-Dichlorobenzene	ND		mg/kg	0 0855	0 324	1	04/02/08 13:53	SW846 8270C	8040196
1 3-Dichlorobenzene	ND		mg/kg	0 0777	0 324	1	04/02/08 13:53	SW846 8270C	8040196
3,3-Dichlorobenzidine	ND		mg/kg	0 262	0 648	1	04/02/08 13:53	SW846 8270C	8040196
2 4-Dichlorophenol	ND		mg/kg	0 0845	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Diethyl phthalate	ND		mg/kg	0 0486	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2 4-Dimethylphenol	ND		mg/kg	0 273	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Dimethyl phthalate	ND		mg/kg	0 0855	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4 6-Dinitro-2-methylphenol	ND		mg/kg	0 0884	0 810	1	04/02/08 13:53	SW846 8270C	8040196
2 4-Dinitrophenol	ND		mg/kg	0 131	0 810	1	04/02/08 13:53	SW846 8270C	8040196
2 6-Dinitrotoluene	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2 4-Dinitrotoluene	ND		mg/kg	0 0855	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Di-n-octyl phthalate	ND		mg/kg	0 128	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Fluoranthene	ND		mg/kg	0 0330	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Fluorene	ND		mg/kg	0 0379	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Hexachlorobenzene	ND		mg/kg	0 0807	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Hexachlorobutadiene	ND		mg/kg	0 105	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Hexachlorocyclopentadiene	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Hexachloroethane	ND		mg/kg	0 102	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Indeno (1 2,3-cd) pyrene	ND		mg/kg	0 0301	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Isophorone	ND		mg/kg	0 0972	0 324	1	04/02/08 13:53	SW846 8270C	8040196

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd . Building 200 Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth, GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-01 (SF-03 (Backfill Source) - Soil) - cont. Sampled: 04/01/08 11:35									
Semivolatile Organic Compounds by EPA Method 8270C - cont									
2-Methylnaphthalene	ND	U	mg/kg	0 0321	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2-Methylphenol	ND	U	mg/kg	0 0962	0 324	1	04/02/08 13:53	SW846 8270C	8040196
3/4-Methylphenol	ND	U	mg/kg	0 141	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Naphthalene	ND	U	mg/kg	0 0398	0 324	1	04/02/08 13:53	SW846 8270C	8040196
3-Nitroaniline	ND		mg/kg	0 107	0 810	1	04/02/08 13:53	SW846 8270C	8040196
2-Nitroaniline	ND		mg/kg	0 108	0 810	1	04/02/08 13:53	SW846 8270C	8040196
4-Nitroaniline	ND		mg/kg	0 267	0 810	1	04/02/08 13:53	SW846 8270C	8040196
Nitrobenzene	ND		mg/kg	0 103	0 324	1	04/02/08 13:53	SW846 8270C	8040196
4-Nitrophenol	ND		mg/kg	0 268	0 810	1	04/02/08 13:53	SW846 8270C	8040196
2-Nitrophenol	ND		mg/kg	0 191	0 324	1	04/02/08 13:53	SW846 8270C	8040196
N-Nitrosodiphenylamine	ND		mg/kg	0 106	0 324	1	04/02/08 13:53	SW846 8270C	8040196
N-Nitrosodi-n-propylamine	ND		mg/kg	0 119	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Pentachlorophenol	ND		mg/kg	0 0719	0 810	1	04/02/08 13:53	SW846 8270C	8040196
Phenanthrene	ND		mg/kg	0 0330	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Phenol	ND		mg/kg	0 0671	0 324	1	04/02/08 13:53	SW846 8270C	8040196
Pyrene	ND		mg/kg	0 0398	0 324	1	04/02/08 13:53	SW846 8270C	8040196
1 2 4-Trichlorobenzene	ND		mg/kg	0 108	0 324	1	04/02/08 13:53	SW846 8270C	8040196
1-Methylnaphthalene	0.0330	J	mg/kg	0 0311	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2 4 6-Trichlorophenol	ND	U	mg/kg	0 0845	0 324	1	04/02/08 13:53	SW846 8270C	8040196
2 4 5-Trichlorophenol	ND	U	mg/kg	0 0661	0 810	1	04/02/08 13:53	SW846 8270C	8040196
Surr Terphenyl-d14 (26-128%)	*64 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Surr 2 4 6-Tribromophenol (20-132%)	*72 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Surr Phenol-d5 (23-113%)	*67 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Surr 2-Fluorobiphenyl (19-109%)	*54 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Surr 2-Fluorophenol (19-105%)	*61 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Surr Nitrobenzene-d5 (22-104%)	*61 %*					*1*	*04/02/08 13 53*	*SW846 8270C*	*8040196*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	15.1		mg/kg	3 83	3 95	1	04/02/08 10:14	TDHE	8040198
Surr o-Terphenyl (50-150%)	*78 %*					*1*	*04/02/08 10 14*	*TDHE*	*8040198*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) TN	ND	U	mg/kg	0 372	3 72	50	04/02/08 11:58	TN GRO TDEC	8040218
Surr a a a-Trifluorotoluene (52-145%)	*77 %*					*50*	*04/02/08 11 58*	*TN GRO TDEC*	*8040218*

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd , Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Difution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-02 (SF-04 (1381 Cove Ln) - Soil) Sampled: 04/01/08 13:26									
Total Metals by EPA Method 6010B									
Aluminum	21600		mg/kg	5 56	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Antimony	ND U		mg/kg	1 41	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Arsenic	4.61		mg/kg	0 909	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Barium	92.6 J		mg/kg	0 505	2 02	1	04/02/08 13:39	SW846 6010B	8040230
Beryllium	0.545	J	mg/kg	0 303	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Cadmium	1.07		mg/kg	0 202	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Calcium	386 J		mg/kg	3 03	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Chromium	18.5		mg/kg	0 404	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Cobalt	9 27		mg/kg	0 808	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Copper	5.72		mg/kg	0 707	2 02	1	04/02/08 13:39	SW846 6010B	8040230
Iron	14100		mg/kg	8 59	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Lead	11.4		mg/kg	0 505	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Magnesium	1200		mg/kg	4 55	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Manganese	294		mg/kg	0 303	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Nickel	8.14		mg/kg	0 505	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Potassium	2200 J		mg/kg	30 3	101	1	04/02/08 13:39	SW846 6010B	8040230
Selenium	2.62 J+		mg/kg	1 11	2 02	1	04/02/08 13:39	SW846 6010B	8040230
Silver	ND U		mg/kg	0 505	1 01	1	04/02/08 13:39	SW846 6010B	8040230
Sodium	186	J	mg/kg	101	202	1	04/02/08 13:39	SW846 6010B	8040230
Thallium	ND UJ		mg/kg	1 92	2 02	1	04/02/08 13:39	SW846 6010B	8040230
Vanadium	33.8		mg/kg	1 11	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Zinc	41.3		mg/kg	3 33	10 1	1	04/02/08 13:39	SW846 6010B	8040230
Mercury by EPA Methods 7470A/7471A									
Mercury	0.0481	J	mg/kg	0 0292	0 0974	1	04/02/08 10:24	SW846 7471A	8040222
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND K		mg/kg	0 0238	0 0475	1	04/01/08 19:30	SW846 8260B	8040197
Benzene	ND U		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Bromobenzene	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Bromochloromethane	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Bromodichloromethane	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Bromoform	ND		mg/kg	0 000504	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Bromomethane	ND		mg/kg	0 00149	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
2-Butanone	ND K		mg/kg	0 00475	0 0475	1	04/01/08 19:30	SW846 8260B	8040197
sec-Butylbenzene	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
n-Butylbenzene	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
tert-Butylbenzene	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Carbon disulfide	ND		mg/kg	0 000637	0 00475	1	04/01/08 19:30	SW846 8260B	8040197
Carbon Tetrachloride	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Chlorobenzene	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Chlorodibromomethane	ND		mg/kg	0 000637	0 00190	1	04/01/08 19:30	SW846 8260B	8040197
Chloroethane	ND		mg/kg	0 000637	0 00475	1	04/01/08 19:30	SW846 8260B	8040197
Chloroform	0.000780 0.000884 U		mg/kg	0 000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Chloromethane	ND U		mg/kg	0 000837	0 00190	1	04/01/08 19:30	SW846 8260B	8040197

04/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 " 800-765-0980 " Fax 615-726-3404

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd., Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-02 (SF-04 (1381 Cove Ln) - Soil) - cont. Sampled: 04/01/08 13:26									
Volatile Organic Compounds by EPA Method 8260B - cont									
2-Chlorotoluene	ND	U	mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
4-Chlorotoluene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.000951	0.00475	1	04/01/08 19:30	SW846 8260B	8040197
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Dibromomethane	ND		mg/kg	0.000513	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,4-Dichlorobenzene	ND		mg/kg	0.000608	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,3-Dichlorobenzene	ND		mg/kg	0.000504	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2-Dichlorobenzene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Dichlorodifluoromethane	ND		mg/kg	0.000884	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1-Dichloroethane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2-Dichloroethane	ND		mg/kg	0.000760	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
cis-1,2-Dichloroethene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1-Dichloroethene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
trans-1,2-Dichloroethene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,3-Dichloropropane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2-Dichloropropane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
2,2-Dichloropropane	ND		mg/kg	0.000399	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
cis-1,3-Dichloropropene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
trans-1,3-Dichloropropene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1-Dichloropropene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Ethylbenzene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Hexachlorobutadiene	ND		mg/kg	0.000599	0.00475	1	04/01/08 19:30	SW846 8260B	8040197
2-Hexanone	ND		mg/kg	0.00387	0.0475	1	04/01/08 19:30	SW846 8260B	8040197
Isopropylbenzene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
p-Isopropyltoluene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Methyl tert-Butyl Ether	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Methylene Chloride	~~0.00581~~ 0.00550	U	mg/kg	0.00331	0.00951	1	04/01/08 19:30	SW846 8260B	8040197
4-Methyl-2-pentanone	ND	U	mg/kg	0.00405	0.0475	1	04/01/08 19:30	SW846 8260B	8040197
Naphthalene	ND		mg/kg	0.00144	0.00475	1	04/01/08 19:30	SW846 8260B	8040197
n-Propylbenzene	ND		mg/kg	0.000504	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Styrene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.000475	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Tetrachloroethene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Toluene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2,3-Trichlorobenzene	ND		mg/kg	0.000627	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2,4-Trichlorobenzene	ND		mg/kg	0.000618	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,1,2-Trichloroethane	ND		mg/kg	0.000970	0.00475	1	04/01/08 19:30	SW846 8260B	8040197
1,1,1-Trichloroethane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Trichloroethene	ND		mg/kg	0.000266	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Trichlorofluoromethane	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2,3-Trichloropropane	ND		mg/kg	0.000523	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,3,5-Trimethylbenzene	ND		mg/kg	0.000637	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
1,2,4-Trimethylbenzene	ND		mg/kg	0.00121	0.00190	1	04/01/08 19:30	SW846 8260B	8040197
Vinyl chloride	ND		mg/kg	0.000675	0.00190	1	04/01/08 19:30	SW846 8260B	8040197

06/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd . Building 200. Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-02 (SF-04 (1381 Cove Ln) - Soil) - cont. Sampled: 04/01/08 13:26									
Volatile Organic Compounds by EPA Method 8260B - cont									
Xylenes, total	ND	U	mg/kg	0 00163	0 00475	1	04/01/08 19:30	SW846 8260B	8040197
Surr 1 2-Dichloroethane-d4 (41-150%)	*96 %*					*1*	*04/01/08 19:30*	*SW846 8260B*	*8040197*
Surr Dibromofluoromethane (55-139%)	*109 %*					*1*	*04/01/08 19.30*	*SW846 8260B*	*8040197*
Surr Toluene-d8 (57-148%)	*114 %*					*1*	*04/01/08 19 30*	*SW846 8260B*	*8040197*
Surr 4-Bromofluorobenzene (58-150%)	*115 %*					*1*	*04/01/08 19 30*	*SW846 8260B*	*8040197*
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	U	mg/kg	0 0307	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Acenaphthylene	ND		mg/kg	0 0317	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Anthracene	ND		mg/kg	0 0327	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Benzo (a) anthracene	ND		mg/kg	0 0376	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Benzo (a) pyrene	ND		mg/kg	0 0287	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Benzo (b) fluoranthene	ND		mg/kg	0 0317	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Benzo (g h,i) perylene	ND		mg/kg	0 0287	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Benzo (k) fluoranthene	ND		mg/kg	0 0287	0 330	1	04/02/08 14:16	SW846 8270C	8040196
4-Bromophenyl phenyl ether	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Butyl benzyl phthalate	ND		mg/kg	0 0881	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Carbazole	ND		mg/kg	0 163	0 330	1	04/02/08 14.16	SW846 8270C	8040196
4-Chloro-3-methylphenol	ND		mg/kg	0 0990	0 330	1	04/02/08 14:16	SW846 8270C	8040196
4-Chloroaniline	ND		mg/kg	0 286	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Bis(2-chloroethoxy)methane	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Bis(2-chloroethyl)ether	ND		mg/kg	0 134	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Bis(2-chloroisopropyl)ether	ND		mg/kg	0 101	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2-Chloronaphthalene	ND		mg/kg	0 0673	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2-Chlorophenol	ND		mg/kg	0 108	0 330	1	04/02/08 14:16	SW846 8270C	8040196
4-Chlorophenyl phenyl ether	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Chrysene	ND		mg/kg	0 0386	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Dibenz (a h) anthracene	ND		mg/kg	0 0307	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Dibenzofuran	ND		mg/kg	0 0881	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Di-n-butyl phthalate	ND		mg/kg	0 0851	0 330	1	04/02/08 14:16	SW846 8270C	8040196
1 4-Dichlorobenzene	ND		mg/kg	0 114	0 330	1	04/02/08 14:16	SW846 8270C	8040196
1 2-Dichlorobenzene	ND		mg/kg	0 0871	0 330	1	04/02/08 14:16	SW846 8270C	8040196
1 3-Dichlorobenzene	ND		mg/kg	0 0792	0 330	1	04/02/08 14:16	SW846 8270C	8040196
3 3-Dichlorobenzidine	ND		mg/kg	0 267	0 660	1	04/02/08 14:16	SW846 8270C	8040196
2 4-Dichlorophenol	ND		mg/kg	0 0861	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Diethyl phthalate	ND		mg/kg	0 0495	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2 4-Dimethylphenol	ND		mg/kg	0 278	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Dimethyl phthalate	ND		mg/kg	0 0871	0 330	1	04/02/08 14:16	SW846 8270C	8040196
4,6-Dinitro-2-methylphenol	ND		mg/kg	0 0901	0 825	1	04/02/08 14:16	SW846 8270C	8040196
2 4-Dinitrophenol	ND		mg/kg	0 134	0 825	1	04/02/08 14:16	SW846 8270C	8040196
2 6-Dinitrotoluene	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2 4-Dinitrotoluene	ND		mg/kg	0 0871	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Di-n-octyl phthalate	ND		mg/kg	0 131	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196

04/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd Building 200 Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-02 (SF-04 (1381 Cove Ln) - Soil) - cont. Sampled: 04/01/08 13:26									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Fluoranthene	ND	U	mg/kg	0 0337	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Fluorene	ND		mg/kg	0 0386	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Hexachlorobenzene	ND		mg/kg	0 0822	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Hexachlorobutadiene	ND		mg/kg	0 107	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Hexachlorocyclopentadiene	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Hexachloroethane	ND		mg/kg	0 104	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Indeno (1 2 3-cd) pyrene	ND		mg/kg	0 0307	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Isophorone	ND		mg/kg	0 0990	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2-Methylnaphthalene	ND		mg/kg	0 0327	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2-Methylphenol	ND	U	mg/kg	0 0980	0 330	1	04/02/08 14:16	SW846 8270C	8040196
3/4-Methylphenol	ND	U	mg/kg	0 144	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Naphthalene	ND	U	mg/kg	0 0406	0 330	1	04/02/08 14:16	SW846 8270C	8040196
3-Nitroaniline	ND		mg/kg	0 109	0 825	1	04/02/08 14:16	SW846 8270C	8040196
2-Nitroaniline	ND		mg/kg	0 110	0 825	1	04/02/08 14:16	SW846 8270C	8040196
4-Nitroaniline	ND		mg/kg	0 272	0 825	1	04/02/08 14:16	SW846 8270C	8040196
Nitrobenzene	ND		mg/kg	0 105	0 330	1	04/02/08 14:16	SW846 8270C	8040196
4-Nitrophenol	ND		mg/kg	0 273	0 825	1	04/02/08 14:16	SW846 8270C	8040196
2-Nitrophenol	ND		mg/kg	0 195	0 330	1	04/02/08 14:16	SW846 8270C	8040196
N-Nitrosodiphenylamine	ND		mg/kg	0 108	0 330	1	04/02/08 14:16	SW846 8270C	8040196
N-Nitrosodi-n-propylamine	ND		mg/kg	0 121	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Pentachlorophenol	ND		mg/kg	0 0733	0 825	1	04/02/08 14:16	SW846 8270C	8040196
Phenanthrene	ND		mg/kg	0 0337	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Phenol	ND		mg/kg	0 0683	0 330	1	04/02/08 14:16	SW846 8270C	8040196
Pyrene	ND		mg/kg	0 0406	0 330	1	04/02/08 14:16	SW846 8270C	8040196
1 2 4-Trichlorobenzene	ND		mg/kg	0 110	0 330	1	04/02/08 14:16	SW846 8270C	8040196
1-Methylnaphthalene	ND		mg/kg	0 0317	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2 4 6-Trichlorophenol	ND		mg/kg	0 0861	0 330	1	04/02/08 14:16	SW846 8270C	8040196
2 4 5-Trichlorophenol	ND		mg/kg	0 0673	0 825	1	04/02/08 14:16	SW846 8270C	8040196
Surr Terphenyl-d14 (26-128%)	*62 %*					*1*	*04/02/08 14 16*	*SW846 8270C*	*8040196*
Surr 2 4 6-Tribromophenol (20-132%)	*73 %*					*1*	*04/02/08 14 16*	*SW846 8270C*	*8040196*
Surr Phenol-d5 (23-113%)	*78 %*					*1*	*04/02/08 14 16*	*SW846 8270C*	*8040196*
Surr 2-Fluorobiphenyl (19-109%)	*52 %*					*1*	*04/02/08 14 16*	*SW846 8270C*	*8040196*
Surr 2-Fluorophenol (19-105%)	*75 %*					*1*	*04/02/08 14 16*	*SW846 8270C*	*8040196*
Surr Nitrobenzene-d5 (22-104%)	*69 %*					*1*	*04/02/08 14:16*	*SW846 8270C*	*8040196*
Extractable Petroleum Hydrocarbons									
Extractable Petroleum Hydrocarbons (EPH)	26.1		mg/kg	3 84	3 96	1	04/02/08 10:34	TDHE	8040198
Surr o-Terphenyl (50-150%)	*70 %*					*1*	*04/02/08 10 34*	*TDHE*	*8040198*
Purgeable Petroleum Hydrocarbons									
GRO (C6-C10) IN	ND	U	mg/kg	0 438	4 38	50	04/02/08 12:30	IN GRO TDEC	8040218
Surr a a a-Trifluorotoluene (52-145%)	*78 %*					*50*	*04/02/08 12 30*	*IN GRO TDEC*	*8040218*

04/04/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd Building 200, Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Sample ID: NRD0081-03 (TS-01 - Soil) Sampled: 04/01/08 14:00

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Acetone	~~ND~~	R	mg/kg	0 0231	0 0463	1	04/01/08 19:59	SW846 8260B	8040197
Benzene	ND	U	mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Bromobenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Bromochloromethane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Bromodichloromethane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Bromoform	ND		mg/kg	0 000491	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Bromomethane	ND		mg/kg	0 00145	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
2-Butanone	~~ND~~	R	mg/kg	0 00463	0 0463	1	04/01/08 19:59	SW846 8260B	8040197
sec-Butylbenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
n-Butylbenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
tert-Butylbenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Carbon disulfide	ND		mg/kg	0 000620	0 00463	1	04/01/08 19:59	SW846 8260B	8040197
Carbon Tetrachloride	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Chlorobenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Chlorodibromomethane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Chloroethane	ND		mg/kg	0 000620	0 00463	1	04/01/08 19:59	SW846 8260B	8040197
Chloroform	0.000796	J	mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Chloromethane	ND	U	mg/kg	0 000815	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
2-Chlorotoluene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
4-Chlorotoluene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2-Dibromo-3-chloropropane	ND		mg/kg	0 000926	0 00463	1	04/01/08 19:59	SW846 8260B	8040197
1,2-Dibromoethane (EDB)	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Dibromomethane	ND		mg/kg	0 000500	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,4-Dichlorobenzene	ND		mg/kg	0 000593	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,3-Dichlorobenzene	ND		mg/kg	0 000491	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2-Dichlorobenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Dichlorodifluoromethane	ND		mg/kg	0 000861	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1-Dichloroethane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2-Dichloroethane	ND		mg/kg	0 000741	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
cis-1,2-Dichloroethene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1-Dichloroethene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
trans-1,2-Dichloroethene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,3-Dichloropropane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2-Dichloropropane	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
2,2-Dichloropropane	ND		mg/kg	0 000389	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
cis-1,3-Dichloropropene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
trans-1,3-Dichloropropene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1-Dichloropropene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Ethylbenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Hexachlorobutadiene	ND		mg/kg	0 000583	0 00463	1	04/01/08 19:59	SW846 8260B	8040197
2-Hexanone	~~ND~~	R	mg/kg	0 00377	0 0463	1	04/01/08 19:59	SW846 8260B	8040197
Isopropylbenzene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
p-Isopropyltoluene	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Methyl tert-Butyl Ether	ND		mg/kg	0 000620	0 00185	1	04/01/08 19:59	SW846 8260B	8040197
Methylene Chloride	0.00466	J	mg/kg	0 00322	0 00926	1	04/01/08 19:59	SW846 8260B	8040197

06/04/08

Client	Tetra Tech EMI (7797)	Work Order:	NRD0081
	1955 Evergreen Blvd Building 200 Suite 300	Project Name:	Oliver Springs Oil Well ER
	Duluth GA 30096	Project Number:	Oliver Springs Oil Well ER
Attn	Jessica Vickers	Received:	04/01/08 17:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRD0081-03 (TS-01 - Soil) - cont. Sampled: 04/01/08 14:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
4-Methyl-2-pentanone	ND	U	mg/kg	0.00394	0.0463	1	04/01/08 19:59	SW846 8260B	8040197
Naphthalene	ND		mg/kg	0.00140	0.00463	1	04/01/08 19:59	SW846 8260B	8040197
n-Propylbenzene	ND		mg/kg	0.000491	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Styrene	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.000463	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Tetrachloroethene	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Toluene	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2,3-Trichlorobenzene	ND		mg/kg	0.000611	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2,4-Trichlorobenzene	ND		mg/kg	0.000602	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,1,2-Trichloroethane	ND		mg/kg	0.000944	0.00463	1	04/01/08 19:59	SW846 8260B	8040197
1,1,1-Trichloroethane	ND		mg/kg	0.000520	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Trichloroethene	ND		mg/kg	0.000259	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Trichlorofluoromethane	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2,3-Trichloropropane	ND		mg/kg	0.000509	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,3,5-Trimethylbenzene	ND		mg/kg	0.000620	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
1,2,4-Trimethylbenzene	ND		mg/kg	0.00118	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Vinyl chloride	ND		mg/kg	0.000657	0.00185	1	04/01/08 19:59	SW846 8260B	8040197
Xylenes, total	ND		mg/kg	0.00159	0.00463	1	04/01/08 19:59	SW846 8260B	8040197
Surr: 1,2-Dichloroethane-d4 (41-150%)	*94 %*					*1*	*04/01/08 19:59*	*SW846 8260B*	*8040197*
Surr: Dibromofluoromethane (55-139%)	*108 %*					*1*	*04/01/08 19:59*	*SW846 8260B*	*8040197*
Surr: Toluene-d8 (57-148%)	*113 %*					*1*	*04/01/08 19:59*	*SW846 8260B*	*8040197*
Surr: 4-Bromofluorobenzene (58-150%)	*109 %*					*1*	*04/01/08 19:59*	*SW846 8260B*	*8040197*

04/04/08

ENCLOSURE 2

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORTS NO. NRC2505 AND NRD0081

(Ten Pages)

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRC2505

Sample Designation:	**SF-01**	**SF-02**	**SF-02 Dup**	**VG-01**	**VG-02**
Sample Collection Date:	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**
Description:			**Field Duplicate**		
Volatile Organic Compounds (mg/kg, dry weight)					
1,1,1,2-Tetrachloroethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,1,1-Trichloroethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,1,2,2-Tetrachloroethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,1,2-Trichloroethane	0.473 U	0.259 U	0.286 U	3.76 U	4.25 U
1,1-Dichloroethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,1-Dichloroethene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,1-Dichloropropene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2,3-Trichlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2,3-Trichloropropane	0.189 UJ	0.103 UJ	0.115 UJ	1.50 U	1.70 U
1,2,4-Trichlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2,4-Trimethylbenzene	**5.62**	0.103 U	0.115 U	**16.0**	**1.21 J**
1,2-Dibromo-3-chloropropane	0.473 U	0.259 U	0.286 U	3.76 U	4.25 U
1,2-Dibromoethane (EDB)	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2-Dichlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2-Dichloroethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,2-Dichloropropane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,3,5-Trimethylbenzene	**2.34**	0.103 U	0.115 U	**6.40**	1.70 U
1,3-Dichlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,3-Dichloropropane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
1,4-Dichlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
2,2-Dichloropropane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
2-Butanone	4.73 U	2.59 U	2.86 U	37.6 U	42.5 U
2-Chlorotoluene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
2-Hexanone	4.73 U	2.59 U	2.86 U	37.6 U	42.5 U
4-Chlorotoluene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
4-Methyl-2-pentanone	4.73 U	2.59 U	2.86 U	37.6 U	42.5 U
Acetone	R	R	R	R	R
Benzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Bromobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Bromochloromethane	0.189 UJ	0.103 UJ	0.115 UJ	1.50 UJ	1.70 UJ
Bromodichloromethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Bromoform	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Bromomethane	0.189 UJ	0.103 UJ	0.115 UJ	1.50 UJ	1.70 UJ

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRC2505

Sample Designation:	**SF-01**	**SF-02**	**SF-02 Dup**	**VG-01**	**VG-02**
Sample Collection Date:	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**
Description:			**Field Duplicate**		
Volatile Organic Compounds (mg/kg, dry weight) (cont'd)					
Carbon disulfide	0.473 U	0.259 U	0.286 U	3.76 U	4.25 U
Carbon Tetrachloride	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Chlorobenzene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Chlorodibromomethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Chloroethane	0.473 U	0.259 U	0.286 U	3.76 U	4.25 U
Chloroform	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Chloromethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
cis-1,2-Dichloroethene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
cis-1,3-Dichloropropene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Dibromomethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Dichlorodifluoromethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Ethylbenzene	**0.274**	0.103 U	0.115 U	1.50 U	1.70 U
Hexachlorobutadiene	0.473 U	0.259 U	0.286 U	3.76 U	4.25 U
Isopropylbenzene	**0.312**	0.103 U	0.115 U	1.50 U	1.70 U
Methyl tert-Butyl Ether	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Methylene Chloride	0.947 U	0.517 U	0.573 U	**9.05**	**7.37 J**
Naphthalene	**1.71**	0.259 U	0.286 U	**6.96**	**2.05 J**
n-Butylbenzene	**1.00**	0.103 U	0.115 U	**2.74**	1.70 U
n-Propylbenzene	**0.726**	0.103 U	0.115 U	**1.44 J**	1.70 U
p-Isopropyltoluene	**0.383**	0.103 U	0.115 U	**1.01 J**	1.70 U
sec-Butylbenzene	**0.582**	0.103 U	0.115 U	**1.42 J**	1.70 U
Styrene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
tert-Butylbenzene	**0.0852 J**	0.103 U	0.115 U	1.50 U	1.70 U
Tetrachloroethene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Toluene	**0.161 J**	0.103 U	0.115 U	**0.925 J**	1.70 U
trans-1,2-Dichloroethene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
trans-1,3-Dichloropropene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Trichloroethene	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Trichlorofluoromethane	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Vinyl chloride	0.189 U	0.103 U	0.115 U	1.50 U	1.70 U
Xylenes, total	**4.28**	0.259 U	0.286 U	**9.29**	4.25 U
Semivolatile Organic Compounds (mg/kg, dry weight)					
1,2,4-Trichlorobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRC2505

Sample Designation:	**SF-01**	**SF-02**	**SF-02 Dup**	**VG-01**	**VG-02**
Sample Collection Date:	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**
Description:			**Field Duplicate**		
Semivolatile Organic Compounds (mg/kg, dry weight) (cont'd)					
1,2-Dichlorobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
1,3-Dichlorobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
1,4-Dichlorobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
1-Methylnaphthalene	**0.343 J**	0.388 UJ	0.400 UJ	**17.5 J**	14.6 UJ
2,4,5-Trichlorophenol	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
2,4,6-Trichlorophenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2,4-Dichlorophenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2,4-Dimethylphenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2,4-Dinitrophenol	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
2,4-Dinitrotoluene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2,6-Dinitrotoluene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2-Chloronaphthalene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2-Chlorophenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2-Methylnaphthalene	**0.393 J**	0.388 U	**0.122 J**	**21.0**	**3.93 J**
2-Methylphenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
2-Nitroaniline	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
2-Nitrophenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
3,3-Dichlorobenzidine	0.943 U	0.776 U	0.801 U	25.9 U	29.2 U
3/4-Methylphenol	0.471 UJ	0.388 UJ	0.400 UJ	12.9 UJ	14.6 UJ
3-Nitroaniline	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
4,6-Dinitro-2-methylphenol	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
4-Bromophenyl phenyl ether	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
4-Chloro-3-methylphenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
4-Chloroaniline	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
4-Chlorophenyl phenyl ether	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
4-Nitroaniline	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
4-Nitrophenol	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
Acenaphthene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Acenaphthylene	**0.137 J**	0.388 U	0.400 U	**9.56 J**	14.6 U
Anthracene	0.471 U	0.388 U	0.400 U	**2.60 J**	**1.72 J**
Benzo (a) anthracene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Benzo (a) pyrene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Benzo (b) fluoranthene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRC2505

Sample Designation:	**SF-01**	**SF-02**	**SF-02 Dup**	**VG-01**	**VG-02**
Sample Collection Date:	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**
Description:			**Field Duplicate**		
Semivolatile Organic Compounds (mg/kg, dry weight) (cont'd)					
Benzo (g,h,i) perylene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Benzo (k) fluoranthene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Bis(2-chloroethoxy)methane	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Bis(2-chloroethyl)ether	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Bis(2-chloroisopropyl)ether	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Bis(2-ethylhexyl)phthalate	0.471 U	**3.89**	**5.15**	**6.51 J**	**295**
Butyl benzyl phthalate	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Carbazole	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Chrysene	**0.0641 J**	0.388 U	**0.0612 J**	12.9 U	**3.54 J**
Dibenz (a,h) anthracene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Dibenzofuran	0.471 U	**0.114 J**	0.400 U	12.9 U	**9.01 J**
Diethyl phthalate	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Dimethyl phthalate	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Di-n-butyl phthalate	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Di-n-octyl phthalate	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Fluoranthene	**0.0551 J**	**0.0477 J**	**0.0608 J**	12.9 U	14.6 U
Fluorene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Hexachlorobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Hexachlorobutadiene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Hexachlorocyclopentadiene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Hexachloroethane	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Indeno (1,2,3-cd) pyrene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Isophorone	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Naphthalene	**0.202 J**	0.388 U	0.400 U	**8.96 J**	14.6 U
Nitrobenzene	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
N-Nitrosodi-n-propylamine	0.471 UJ	0.388 UJ	0.400 UJ	12.9 UJ	14.6 UJ
N-Nitrosodiphenylamine	0.471 U	0.388 U	0.400 U	12.9 U	**27.2**
Pentachlorophenol	1.18 U	0.970 U	1.00 U	32.3 U	36.5 U
Phenanthrene	**0.192 J**	**0.167 J**	**0.220 J**	**12.7 J**	**11.4 J**
Phenol	0.471 U	0.388 U	0.400 U	12.9 U	14.6 U
Pyrene	**0.0764 J**	**0.0504 J**	**0.0676 J**	**3.87 J**	**3.46 J**
Gasoline Range Organics (GRO) (mg/kg, dry weight)					
GRO (C6-C10) TN	**64.6**	**1.65 J**	**3.59 J**	**608**	**173**

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRC2505

Sample Designation:	**SF-01**	**SF-02**	**SF-02 Dup**	**VG-01**	**VG-02**
Sample Collection Date:	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**	**3/28/2008**
Description:			**Field Duplicate**		
Extractable Petroleum Hydrocarbons (EPH) (mg/kg, dry weight)					
Extractable Petroleum Hydrocarbons (EPH)	**3590**	**4460**	**4940**	**717000 J**	**612000 J**
Metals (mg/kg, dry weight)					
Aluminum	**17100**	**15500**	**18200**	**4740**	**3160**
Antimony	13.8 U	11.9 U	12.0 U	14.8 U	17.2 U
Arsenic	**1.98**	**3.12**	**2.16**	1.48 U	1.72 U
Barium	**75.7**	**69.3**	**80.7**	**88.2**	**56.9**
Beryllium	**0.441 J**	1.19 U	**0.385 J**	1.48 U	1.72 U
Cadmium	**1.21 J**	**1.57**	**1.06 J**	**0.504 J**	**0.378 J**
Calcium	**936**	**426**	**507**	**7410**	**5270**
Chromium	**16.2 J**	**33.5 J**	**18.1 J**	**5.34**	**4.54**
Cobalt	**3.28**	**3.21**	**3.68**	1.48 U	1.72 U
Copper	**5.87**	**4.86**	**4.50**	**36.5**	**12.6**
Iron	**14300**	**19800**	**12700**	**3860**	**3670**
Lead	**20.4**	**11.5**	**11.5**	**15.8**	**12.8**
Magnesium	**1040**	**993**	**1150**	**1090**	**1050**
Manganese	**314**	**161**	**186**	**124**	**153**
Mercury	**0.0555 J**	**0.105 J**	**0.0684 J**	**0.106 J**	**0.0654 J**
Nickel	**7.30**	**6.74**	**6.25**	**2.64**	**2.68**
Potassium	**1110**	**975 J**	**1770 J**	**2790**	**2420**
Selenium	**4.71**	**4.42**	**3.31**	**5.39**	**6.87**
Silver	1.38 U	1.19 U	1.20 U	1.48 U	1.72 U
Sodium	**156 J**	**165 J**	**131 J**	**305**	**265 J**
Thallium	2.76 UJ	2.38 UJ	2.40 UJ	2.97 UJ	3.44 UJ
Vanadium	**30.5**	**33.7**	**32.8**	**7.86 J**	**5.74 J**
Zinc	**46.3**	**34.8**	**35.3**	**50.3**	**60.0**

Notes:

mg/kg = Milligrams per kilogram

J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

R = The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.

U = The analyte was analyzed for, but was not detected at or above the associated value.

UJ = The analyte was analyzed for, but was not detected at or above the associated value, which is considered approximate due to deficiencies in one or more quality control criteria.

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRD0081

Sample Designation:	SF-03 (Backfill Source)	SF-04 (1381 Cove Ln)	TS-01
Sample Collection Date:	4/1/2008	4/1/2008	4/1/2008
Description:			Soil Trip Blank
Volatile Organic Compounds (mg/kg)			
1,1,1,2-Tetrachloroethane	0.00188 U	0.00190 U	0.00185 U
1,1,1-Trichloroethane	0.00188 U	0.00190 U	0.00185 U
1,1,2,2-Tetrachloroethane	0.00188 U	0.00190 U	0.00185 U
1,1,2-Trichloroethane	0.00469 U	0.00475 U	0.00463 U
1,1-Dichloroethane	0.00188 U	0.00190 U	0.00185 U
1,1-Dichloroethene	0.00188 U	0.00190 U	0.00185 U
1,1-Dichloropropene	0.00188 U	0.00190 U	0.00185 U
1,2,3-Trichlorobenzene	0.00188 U	0.00190 U	0.00185 U
1,2,3-Trichloropropane	0.00188 U	0.00190 U	0.00185 U
1,2,4-Trichlorobenzene	0.00188 U	0.00190 U	0.00185 U
1,2,4-Trimethylbenzene	0.00188 U	0.00190 U	0.00185 U
1,2-Dibromo-3-chloropropane	0.00469 U	0.00475 U	0.00463 U
1,2-Dibromoethane (EDB)	0.00188 U	0.00190 U	0.00185 U
1,2-Dichlorobenzene	0.00188 U	0.00190 U	0.00185 U
1,2-Dichloroethane	0.00188 U	0.00190 U	0.00185 U
1,2-Dichloropropane	0.00188 U	0.00190 U	0.00185 U
1,3,5-Trimethylbenzene	0.00188 U	0.00190 U	0.00185 U
1,3-Dichlorobenzene	0.00188 U	0.00190 U	0.00185 U
1,3-Dichloropropane	0.00188 U	0.00190 U	0.00185 U
1,4-Dichlorobenzene	0.00188 U	0.00190 U	0.00185 U
2,2-Dichloropropane	0.00188 U	0.00190 U	0.00185 U
2-Butanone	0.0469 U	0.0475 U	0.0463 U
2-Chlorotoluene	0.00188 U	0.00190 U	0.00185 U
2-Hexanone	0.0469 U	0.0475 U	0.0463 U
4-Chlorotoluene	0.00188 U	0.00190 U	0.00185 U
4-Methyl-2-pentanone	0.0469 U	0.0475 U	0.0463 U
Acetone	R	R	R
Benzene	0.00188 U	0.00190 U	0.00185 U
Bromobenzene	0.00188 U	0.00190 U	0.00185 U
Bromochloromethane	0.00188 U	0.00190 U	0.00185 U
Bromodichloromethane	0.00188 U	0.00190 U	0.00185 U
Bromoform	0.00188 U	0.00190 U	0.00185 U
Bromomethane	0.00188 U	0.00190 U	0.00185 U
Carbon disulfide	0.00469 U	0.00475 U	0.00463 U
Carbon Tetrachloride	0.00188 U	0.00190 U	0.00185 U
Chlorobenzene	0.00188 U	0.00190 U	0.00185 U
Chlorodibromomethane	0.00188 U	0.00190 U	0.00185 U
Chloroethane	0.00469 U	0.00475 U	0.00463 U
Chloroform	0.00188 U	0.00190 U	**0.000796 J**
Chloromethane	0.00188 U	0.00190 U	0.00185 U
cis-1,2-Dichloroethene	0.00188 U	0.00190 U	0.00185 U
cis-1,3-Dichloropropene	0.00188 U	0.00190 U	0.00185 U
Dibromomethane	0.00188 U	0.00190 U	0.00185 U
Dichlorodifluoromethane	0.00188 U	0.00190 U	0.00185 U
Ethylbenzene	0.00188 U	0.00190 U	0.00185 U
Hexachlorobutadiene	0.00469 U	0.00475 U	0.00463 U

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRD0081

Sample Designation:	SF-03 (Backfill Source)	SF-04 (1381 Cove Ln)	TS-01
Sample Collection Date:	**4/1/2008**	**4/1/2008**	**4/1/2008**
Description:			**Soil Trip Blank**
Volatile Organic Compounds (mg/kg) (cont'd)			
Isopropylbenzene	0.00188 U	0.00190 U	0.00185 U
Methyl tert-Butyl Ether	0.00188 U	0.00190 U	0.00185 U
Methylene Chloride	0.00938 U	0.00951 U	**0.00466 J**
Naphthalene	0.00469 U	0.00475 U	0.00463 U
n-Butylbenzene	0.00188 U	0.00190 U	0.00185 U
n-Propylbenzene	0.00188 U	0.00190 U	0.00185 U
p-Isopropyltoluene	0.00188 U	0.00190 U	0.00185 U
sec-Butylbenzene	0.00188 U	0.00190 U	0.00185 U
Styrene	0.00188 U	0.00190 U	0.00185 U
tert-Butylbenzene	0.00188 U	0.00190 U	0.00185 U
Tetrachloroethene	0.00188 U	0.00190 U	0.00185 U
Toluene	0.00188 U	0.00190 U	0.00185 U
trans-1,2-Dichloroethene	0.00188 U	0.00190 U	0.00185 U
trans-1,3-Dichloropropene	0.00188 U	0.00190 U	0.00185 U
Trichloroethene	0.00188 U	0.00190 U	0.00185 U
Trichlorofluoromethane	0.00188 U	0.00190 U	0.00185 U
Vinyl chloride	0.00188 U	0.00190 U	0.00185 U
Xylenes, total	0.00469 U	0.00475 U	0.00463 U
Semivolatile Organic Compounds (mg/kg)			
1,2,4-Trichlorobenzene	0.324 U	0.330 U	NA
1,2-Dichlorobenzene	0.324 U	0.330 U	NA
1,3-Dichlorobenzene	0.324 U	0.330 U	NA
1,4-Dichlorobenzene	0.324 U	0.330 U	NA
1-Methylnaphthalene	**0.0330 J**	0.330 U	NA
2,4,5-Trichlorophenol	0.810 U	0.825 U	NA
2,4,6-Trichlorophenol	0.324 U	0.330 U	NA
2,4-Dichlorophenol	0.324 U	0.330 U	NA
2,4-Dimethylphenol	0.324 U	0.330 U	NA
2,4-Dinitrophenol	0.810 U	0.825 U	NA
2,4-Dinitrotoluene	0.324 U	0.330 U	NA
2,6-Dinitrotoluene	0.324 U	0.330 U	NA
2-Chloronaphthalene	0.324 U	0.330 U	NA
2-Chlorophenol	0.324 U	0.330 U	NA
2-Methylnaphthalene	0.324 U	0.330 U	NA
2-Methylphenol	0.324 U	0.330 U	NA
2-Nitroaniline	0.810 U	0.825 U	NA
2-Nitrophenol	0.324 U	0.330 U	NA
3,3-Dichlorobenzidine	0.648 U	0.660 U	NA
3/4-Methylphenol	0.324 UJ	0.330 UJ	NA
3-Nitroaniline	0.810 U	0.825 U	NA
4,6-Dinitro-2-methylphenol	0.810 U	0.825 U	NA
4-Bromophenyl phenyl ether	0.324 U	0.330 U	NA
4-Chloro-3-methylphenol	0.324 U	0.330 U	NA
4-Chloroaniline	0.324 U	0.330 U	NA
4-Chlorophenyl phenyl ether	0.324 U	0.330 U	NA
4-Nitroaniline	0.810 U	0.825 U	NA

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRD0081

Sample Designation:	SF-03 (Backfill Source)	SF-04 (1381 Cove Ln)	TS-01
Sample Collection Date:	**4/1/2008**	**4/1/2008**	**4/1/2008**
Description:			**Soil Trip Blank**
Semivolatile Organic Compounds (mg/kg) (cont'd)			
4-Nitrophenol	0.810 U	0.825 U	NA
Acenaphthene	0.324 U	0.330 U	NA
Acenaphthylene	0.324 U	0.330 U	NA
Anthracene	0.324 U	0.330 U	NA
Benzo (a) anthracene	0.324 U	0.330 U	NA
Benzo (a) pyrene	0.324 U	0.330 U	NA
Benzo (b) fluoranthene	0.324 U	0.330 U	NA
Benzo (g,h,i) perylene	0.324 U	0.330 U	NA
Benzo (k) fluoranthene	0.324 U	0.330 U	NA
Bis(2-chloroethoxy)methane	0.324 U	0.330 U	NA
Bis(2-chloroethyl)ether	0.324 U	0.330 U	NA
Bis(2-chloroisopropyl)ether	0.324 U	0.330 U	NA
Bis(2-ethylhexyl)phthalate	0.324 U	0.330 U	NA
Butyl benzyl phthalate	0.324 U	0.330 U	NA
Carbazole	0.324 U	0.330 U	NA
Chrysene	0.324 U	0.330 U	NA
Dibenz (a,h) anthracene	0.324 U	0.330 U	NA
Dibenzofuran	0.324 U	0.330 U	NA
Diethyl phthalate	0.324 U	0.330 U	NA
Dimethyl phthalate	0.324 U	0.330 U	NA
Di-n-butyl phthalate	0.324 U	0.330 U	NA
Di-n-octyl phthalate	0.324 U	0.330 U	NA
Fluoranthene	0.324 U	0.330 U	NA
Fluorene	0.324 U	0.330 U	NA
Hexachlorobenzene	0.324 U	0.330 U	NA
Hexachlorobutadiene	0.324 U	0.330 U	NA
Hexachlorocyclopentadiene	0.324 U	0.330 U	NA
Hexachloroethane	0.324 U	0.330 U	NA
Indeno (1,2,3-cd) pyrene	0.324 U	0.330 U	NA
Isophorone	0.324 U	0.330 U	NA
Naphthalene	0.324 U	0.330 U	NA
Nitrobenzene	0.324 U	0.330 U	NA
N-Nitrosodi-n-propylamine	0.324 U	0.330 U	NA
N-Nitrosodiphenylamine	0.324 U	0.330 U	NA
Pentachlorophenol	0.810 U	0.825 U	NA
Phenanthrene	0.324 U	0.330 U	NA
Phenol	0.324 U	0.330 U	NA
Pyrene	0.324 U	0.330 U	NA
Organochlorine Pesticides (mg/kg)			
4,4'-DDD	0.00168 U	NA	NA
4,4'-DDE	0.00168 U	NA	NA
4,4'-DDT	0.00168 U	NA	NA
Aldrin	0.00168 UJ	NA	NA
alpha-BHC	0.00168 U	NA	NA
alpha-Chlordane	0.00168 U	NA	NA
beta-BHC	0.00327 U	NA	NA

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRD0081

Sample Designation:	**SF-03 (Backfill Source)**	**SF-04 (1381 Cove Ln)**	**TS-01**
Sample Collection Date:	**4/1/2008**	**4/1/2008**	**4/1/2008**
Description:			**Soil Trip Blank**
Organochlorine Pesticides (mg/kg) (cont'd)			
Chlordane	0.0661 U	NA	NA
delta-BHC	0.00168 U	NA	NA
Dieldrin	0.00168 U	NA	NA
Endosulfan I	0.00168 U	NA	NA
Endosulfan II	0.00168 U	NA	NA
Endosulfan sulfate	0.00168 U	NA	NA
Endrin	0.00168 U	NA	NA
Endrin aldehyde	0.00168 U	NA	NA
Endrin ketone	0.00168 U	NA	NA
gamma-BHC (Lindane)	0.00168 U	NA	NA
gamma-Chlordane	0.00168 U	NA	NA
Heptachlor	0.00168 U	NA	NA
Heptachlor epoxide	0.00168 U	NA	NA
Methoxychlor	0.00327 U	NA	NA
Toxaphene	0.0661 U	NA	NA
Polychlorinated Biphenyl Compounds (mg/kg)			
Aroclor-1016	0.0329 U	NA	NA
Aroclor-1221	0.0329 U	NA	NA
Aroclor-1232	0.0329 U	NA	NA
Aroclor-1242	0.0329 U	NA	NA
Aroclor-1248	0.0329 U	NA	NA
Aroclor-1254	0.0329 U	NA	NA
Aroclor-1260	0.0329 U	NA	NA
Gasoline Range Organics (GRO) (mg/kg)			
GRO (C6-C10) TN	3.72 U	4.38 U	NA
Extractable Petroleum Hydrocarbons (EPH) (mg/kg)			
Extractable Petroleum Hydrocarbons (EPH)	**15.1**	**26.1**	NA
Metals (mg/kg)			
Aluminum	**12400**	**21600**	NA
Antimony	10.1 U	10.1 U	NA
Arsenic	**4.07**	**4.61**	NA
Barium	**95.8**	**92.6 J**	NA
Beryllium	**0.726 J**	**0.545 J**	NA
Cadmium	**1.15**	**1.07**	NA
Calcium	**754**	**386 J**	NA
Chromium	**12.2**	**18.5**	NA
Cobalt	**10.4**	**9.27**	NA
Copper	**13.9**	**5.72**	NA
Iron	**16500**	**14100**	NA
Lead	**13.6**	**11.4**	NA
Magnesium	**1420**	**1200**	NA
Manganese	**541**	**294**	NA
Mercury	**0.0501 J**	**0.0481 J**	NA
Nickel	**17.6**	**8.14**	NA
Potassium	**2060**	**2200 J**	NA
Selenium	**3.35 J+**	**2.62 J+**	NA

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR TESTAMERICA ANALYTICAL TESTING CORPORATION REPORT NO. NRD0081

Sample Designation:	**SF-03 (Backfill Source)**	**SF-04 (1381 Cove Ln)**	**TS-01**
Sample Collection Date:	**4/1/2008**	**4/1/2008**	**4/1/2008**
Description:			**Soil Trip Blank**
Metals (mg/kg) (cont'd)			
Silver	1.01 U	1.01 U	NA
Sodium	**185**	**186 J**	NA
Thallium	2.02 UJ	2.02 UJ	NA
Vanadium	**20.8**	**33.8**	NA
Zinc	**58.9**	**41.3**	NA

Notes:

mg/kg = Milligrams per kilogram

J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

R = The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.

U = The analyte was analyzed for, but was not detected at or above the associated value.

UJ = The analyte was analyzed for, but was not detected at or above the associated value, which is considered approximate due to deficiencies in one or more quality control criteria.

NA = The sample was not analyzed for this analyte.